



AUG 14 1917

PAY TO THE ORDER OF

MELROSE TRUST CO.

CITY OF MELROSE

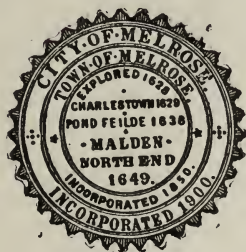
W. R. LAVENDER, City Treas. &

CITY OF MELROSE
MASSACHUSETTS

Annual Reports
1916

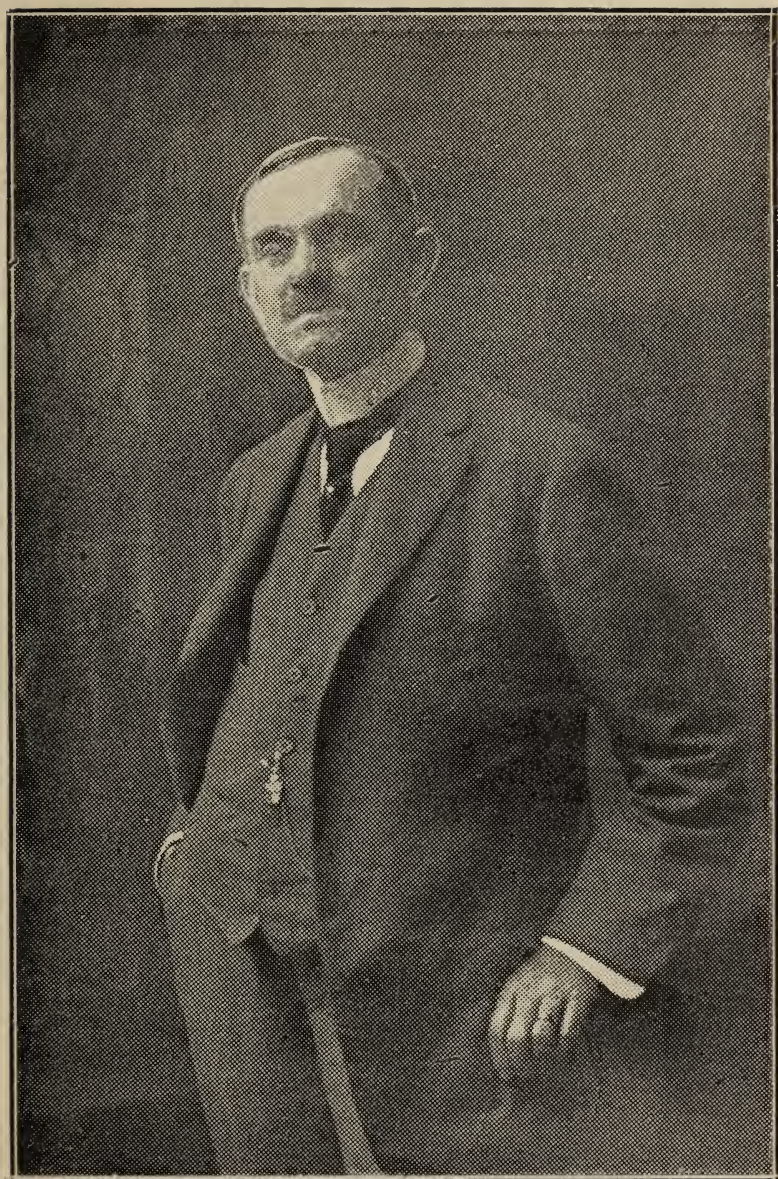
WITH

Mayor's Inaugural Address
Delivered January 3rd, 1916



PUBLISHED BY ORDER OF THE BOARD OF ALDERMEN,
UNDER THE DIRECTION OF THE CITY CLERK
AND SPECIAL COMMITTEE

MELROSE, MASS.
THE MELROSE FREE PRESS, INC.,
1917



CHARLES H. ADAMS
MAYOR

INAUGURAL ADDRESS
HON. CHARLES H. ADAMS
MAYOR OF MELROSE
DELIVERED JANUARY 3RD, 1916

Members of the Board of Aldermen and Citizens:

I am grateful to see so many citizens here. Not because of any formalities of the occasion, but I want to talk over with you the things that concern our city.

I think we can agree that in spite of all our difficulties we have just passed through a year of advancement and prosperity, that our good reputation is more widely extended, and that the splendid progress of the city has proceeded without interruption to a higher state than ever before in its history.

During the year we have been free from any great conflagration, any great accidents, any great crime, and with a remarkable record for health, good order and civic advancement.

During the year just closed we have had a high tax rate. We have also had the highest county tax, the highest metropolitan tax, and the highest state tax in the history of the commonwealth.

We raise by taxation \$458,600.70 and of this large amount we pay for things which we in no way control, about \$200,000. These are the invisible expenses of the city, money paid out for things we never see, over which we have not the slightest direction, on which we cannot economize, for which we never see a man working, never buy anything, never have the pleasure of spending. Treasurer Lavender draws a check for it, and tosses it in the mail and it is gone.

Our State Tax is	\$39,780.00
County Tax is	20,682.55
Met. Sewer	17,201.57
Met. Park	10,796.50
Charles River Basin	1,621.29
On our Debts	60,000.00
Interest, over	50,000.00
	\$200,081.91

In ten years our state tax has increased 100 per cent, while our own valuation has increased by 20 per cent. Our local expenses have increased about ten per cent.

In all the places about us, there has also been the same growing tax rate, some slightly less than ours and some more, but in no one of these places, do they have and enjoy the municipal facilities and services that we have here.

In some they have inferior streets; some are lacking in public buildings; in some they do not collect the ashes, rubbish or garbage. In no one of them do they have the many facilities for comfort and good living, the high standard of civic life, which we here enjoy, and that have placed Melrose in the very front rank of cities of its size in the United States.

For the first time as a city we have paid our current expenses out of current income. We have kept within our appropriations.

During 1915 we have paid up a deficit of \$18,000 of the year 1914, which was caused by the failure of the Boston Rubber Shoe Corporation to pay its corporation taxes.

On the first of February we shall pay off \$200,000 in schoolhouse bonds and for this payment we have on hand nearly all the money needed in our Sinking Funds. These bonds were issued 20 years ago for the High, Franklin, Washington and Lincoln Schools, and during that 20 years we have paid \$160,000 in interest. These schoolhouses really cost us \$360,000.

The interest payments are a part of the *invisible* expenses which make our taxes so high. I spoke of the fact that we are paying \$50,000 a year for interest alone. That is twice as much as we spend on our highways. It is half as much as we spend for all our public schools. It would buy fifteen playgrounds like that at the Lincoln School.

Think of the burden of getting together \$50,000.

No labor, no improvements, no education, no charity—just interest.

We have also coming due \$50,000 of notes and bonds, and \$10,000 in Sinking Fund Bonds for surface drainage.

If we could stop the issuing of notes and bonds, the interest amount alone would pay for all our public improvements, all our extensions of the water system, the sewer system, the new streets, playgrounds, sidewalks and everything else.

It would, until our debts are paid off, say for ten years, increase our tax rate starting at about \$2.50 per 1,000, and steadily falling as our debts are paid off.

Much has been written and said about the valuation of land. In my opinion it is valued too low, far below its value and lower than in any community entitled to be classed with Melrose. Less than in Winchester or Medford, or Malden, or any of the places the south side of Boston.

To add one cent per foot to the value of land would give to us a reasonable reduction in our tax rate. Far more than a million dollars in improvements have been made here, for the purpose of making land more desirable, and yet we value our land no more, nor quite so much as in 1901.

I do not treat this as something radically wrong in our city. I treat it as an *asset* upon which we have not yet drawn. If the land in this city

is worth a million or two millions more than we value it, then like our Sinking Fund surplus it contributes to our sound financial condition.

Nothing could be worse than to have it *over* valued. No one ever has, and no one ever can question the integrity of our board of assessors, or their devotion to the interests of the city, or the uniformity in the treatment of taxable property. We can forgive them if they put our tax values too low, but we never can permit them to assess our land too high.

A few years ago we reduced our water rates and the income fell from \$54,000 to \$39,000 a year.

From a prosperous Municipal Enterprise paying interest and bonds, it became necessary for taxpayers to pay the bonds issued for extension of pipes. Of these bonds about \$20,000 has been paid in the past 4 years.

Now the income is 48,000; and with a normal growth we shall have the water system self-sustaining very soon.

In the old days we owned Spot Pond and the water flowed down to us without money and without price. Now we are paying to the Metropolitan Water System about \$24,000 a year. But we are always grateful for that wise legislation which has given to us the best water supply in the world.

During the year we have constructed new buildings, 111 complete houses or blocks at a cost of \$570,699.00, increasing our taxable property, and providing employment and trade to the great benefit of all our people. All this construction has been of excellent character, of fine architecture, and of a type suited to the character of the city, mainly single houses for homes for a class of citizens whose coming to Melrose is regarded with pride and satisfaction. Melrose has been dotted all over the past year with new homes as you have observed with interest.

We have also removed certain old city buildings, which were a menace, and caused also the removal of certain private buildings which had long been an eyesore and fire danger to the city.

The movement by the Bay State Railway Company to increase its fares to six cents, to change fare limits to the centers and to abolish all transfers has overshadowed all plans for better railway facilities and better service.

Cities and towns must fight to save what they now have.

The rates proposed would cost us twelve cents to Boston, with an extra fare to the East Side, or Howard Street, and increase every special rate like that of ten cents to Revere Beach to eighteen cents, or five cents to Spot Pond to twelve cents. There is an organization of city solicitors and town counsel who are working together in opposition to the increased fares. This city is represented at all the hearings by a special committee of the Board of Aldermen, by our City Solicitor and by the Mayor.

We are on one of the best divisions on the whole system. A constant line of cities keep the cars overfull.

The Melrose Planning Board is of great value to this city. We are fortunate in the fine personnel of the board who were named by former Mayor Munroe. They are giving a vast amount of time and talent to

plans for far-reaching improvements. They have worked during the year on plans for the improvement of Ell and Spot Pond brooks. They report that \$12,000 will be sufficient to bring about the needed changes and improvements. I hope that we shall be able to do this. Their report deals with the problems of housing, street building, playgrounds, public buildings presenting matters of great public interest. We have a few tenement blocks built years ago, that need the strong hand of a new Housing Law, that shall prevent a landlord from collecting rent for an unsanitary building. A new law pushed through the legislature by the Massachusetts Civic League should be in part accepted by our city.

In spite of the wear of automobiles, our streets were never in such good condition as the past year. This is the testimony of many travellers. But Superintendent Servis warns us that our streets are wearing out. He sees the defects long before we who drive over them. Our appropriations for streets are no more than before the days of the automobile, and we are adding miles and miles of new streets all the time. For every foot of new street constructed it costs \$7 or \$8 per foot for walks, water, sewers, drainage, macadam. It costs the city a vast amount of money to construct these facilities to keep up with the building operation.

There are more than fifty private ways or streets not cared for by the city. We shall need a most liberal policy in the acceptance of the streets built previous to 1900, and which have, during all that time been kept open to the public by the abutters.

We ought to keep alive the question of the construction of a City Stable for the use of all departments and supplies.

Such a stable should not be located in a residential part of the city and should be either in an out-lying district or connected with the steam railroad.

I urge the continuance of the general kindly policy of the Charity Department and I commend its careful, economical policy and the general plan or co operation with all private charity organizations and individuals to the end that persons may not be put upon the pauper list whenever private charity may be induced to give them temporary aid.

The general administration and management of the Almshouse is to be commended and I look forward to the time when our local co-operation in charity work may be extended to co-operation with other cities and towns, so that on the whole there may be a reduced number of almshouses, better constructed and managed in a larger way for the general welfare of the community, and making the Charity Department a center of relief and a bureau of information for the benefit of private organizations and individuals to the end that in all cases possible aid shall be rendered privately instead of publicly.

During the past year the co-operation of the Melrose Hospital Association has been indispensable in the care of sick cases.

I recommend that the Charity Department have three-year terms instead of one.

I recommend that the compensation of the Chairman of Board be increased to \$500 a year. The work of this department is increasing all the time in responsibility and detail and requires substantially all the time of the chairman.

I commend the Police Department in its good work in keeping this city free from crime and for the maintenance of good order and for the general policy of refraining from making arrests except in cases absolutely necessary.

We need traffic rules for the regulation of automobiles in the streets and we should look forward to the building of new police headquarters.

This department is the one department of the city open twenty-four hours and it is always available for public service.

We ought to have a building where accident cases can be aided, where an insane person can be detained, where suitable sanitary cells for prisoners would be above ground, where the ambulance can be kept and where the service wagon can be kept, and where the men can have suitable rooms and headquarters.

Many citizens come to the police station upon business that is essentially private and there should be suitable offices.

We ought to commend the work of the Health Department the past year. The arrangements made by the Board of Health for the care of tuberculosis patients in other hospitals by other communities has up to this time obviated the necessity of building a tuberculosis hospital in this city.

I recommend that every effort be made to continue this arrangement, or if necessary, that permanent arrangements be made in union with some other communities for the building of such a hospital.

The State may wisely aid families in the care of their sick in or near their own homes. The cost of hospital treatment in public sanitariums is so large that the same amount of money would be, in many cases, sufficient to provide suitable quarters, help to maintain the family and to provide for the care and treatment of many cases.

The establishment of the Tuberculosis Dispensary at the Melrose Hospital has been a great advantage to the city and of real benefit to the sick. This is also true of the Public Health Nurse who is also acting as School Nurse, and both these arrangements were made without any expense to the city.

I recommend a thorough inspection, supervision and regulation of all stables in residential and business sections.

I commend the Board of Health for their arrangements by which garbage collected in the city is delivered outside the city limits.

During the year there have been 204 alarms of fire in which property to the amount of \$80,000 has been endangered, but the prompt work of the fire department has kept the loss down to \$12,500.

The high standing and efficiency of this department is everywhere recognized and the complete motorization of it should be anticipated within the next two or three years.

The housing of the department at the Highlands is not in keeping with the standard of buildings which should be maintained by the city.

I urge the gradual development of the parks and playgrounds of the city no matter in what section, the re-submission of the question of the purchase of the Lincoln playground, the general improvement of the Melrose Common, the improvement and ornamentation of the old stone crusher ledge on Maple Street, near Vinton Street, the general improvement of the grounds around some of the public schools, the preservation of Boston Rock, the development of Ell Pond Park, including the broad parkway from Melrose Street to Franklin Street, the laying out and grading of the site for the athletic field, and the co-operation with all citizens and organizations seeking to beautify and improve the city in any part of it and in any way. We should look forward to the completion of the Boulevard through to the Lynn Woods, keeping in mind always the desirability of a great highway between this city and Boston.

The trustees of the Pine Banks Park plan to improve that part of the estate at the corner of Main and Sylvan Streets, which will benefit the entrance to the cemetery.

The Memorial Building is becoming such an important factor in the life of the community and is likely to be the center of so many gifts of various kinds, and is likely to develop into an institution needing the best of care and administration.

I recommend that it be transferred to a Board of three trustees who shall have full charge of the administration of this building in a way similar to that of the Public Library and the Cemetery, that the Board shall be appointed by the Mayor for three year terms, subject to the approval of the Board of Aldermen.

I approve the work of those in charge of the Cemetery Department, the general development and excellent improvements.

We ought to increase and develop public interest in this section of the city, that the entrance to the cemetery should be improved, that all soldiers' graves should be cared for by the city, that no lots should be sold except under the arrangement for perpetual care, and that such general interest should be created throughout the community that friends and relatives of those who sleep there will be glad to contribute funds and suitable gifts for the development of a better cemetery and surroundings.

Boston Rock, the Cemetery, Pine Banks, and the great cemetery beyond, within the limits of Malden, should be one great public reservation.

I commend the efforts that are being made by the Trustees of the Public Library for the increased circulation of books, and especially the establishment of branch libraries.

The success of the one at the South East part of the city and the one at the Melrose Highlands emphasises the need and benefit of these branches, and I think we ought to consider the establishment of another branch on the east side of the city.

The city is fortunate in the careful financial management of the public schools and the general high standing and efficiency of all the departments.

I earnestly urge the support of a system of industrial training and commend the plan of the Committee for the year 1916 which includes instruction in the care of buildings, painting, plumbing, steam-fitting and other industrial work, under the instruction of a man who has had broad training in this field.

Whenever the city is financially able to do so I hope that we may establish an industrial school with vocational training and an evening school for the encouragement and instruction of young people as well as adults. In every city there is a large number of adults who ought to be encouraged to take courses in these lines that they may be better able to support themselves and others who are dependent upon them.

I recommend the consideration of the further improvement of Main Street with the extension of the White Way through to the Highlands, and that we should look forward to the extension of the White Way on Franklin Street towards the Stoneham line.

I recommend that suitable ordinances be adopted relative to the inspection of gas pipes and that this work should be done by the Inspector of Wires, and I believe it can be done without any additional expense to the city.

This Municipal corporation cannot do many things alone. It is the wonderful co-operative spirit that excels here that has made Melrose the first city of its size anywhere. This building is an example of the co-operation and generosity of our people and especially of one citizen whose gifts are far beyond what you know about.

The Melrose Hospital is another example in its building and administration of untold value; its work of charity, its department of district nursing, the Public Health Nurse, its tuberculosis dispensary. There is Pine Banks, another gift, Melrose Common is another.

There is the new clock in Grand Army Hall, presented by the Melrose Woman's Club on Saturday night. There is the new drop curtain the gift of John C. F. Slayton at the same time.

There are the organizations that respond to and anticipate the calls for public help. The women's clubs, the Melrose teachers' association, the civic council, the community organizations and associates, the splendid citizens and churches who never fail to aid in every good movement.

Government of the City of Melrose

1916

Mayor

CHARLES H. ADAMS

President of the Board of Aldermen

EDWARD F. CASSELL

Clerk

W. DeHAVEN JONES

Aldermen-at-Large	Ward
William A. Carrie, 22 York Terrace	1
Alton W. Eldredge, 29 Nowell Road	2
Angier L. Goodwin, 33 Reading Hill Avenue	2
Leslie F. Keene, 146 Wyoming Avenue, West	5
Edward F. Cassell, 141 Melrose Street	1
Thomas H. Gilman, 287 West Emerson Street	3
Harold P. Waterhouse, 11 Orient Place	4

Ward Aldermen

Ralph G. Harmon, 22 Belmont Place	1
Frank H. Noyes, 14 North Avenue	1
Adonis D. Howard, 105 Green Street	2
H. Ray Wilson, 24 Linden Road	2
Charles Drew, 117 Florence Street	3
Harold S. Wolley, 68 Youle Street	3
Sidney H. Buttrick, 87 Essex Street	4
Alfred H. French, 31 Rowe Street	4
Arthur T. Mather, 110 Crescent Avenue	5
Lorin A. Presby, 42 Trenton Street	5
Arthur L. Marr, 242 Foster Street, East	6
Fred W. Sellers, 132 Grove Street	6
Kenneth R. Bruce, 121 Rogers Street	7
Albert M. Tibbetts, 109 Meridian Street	7

**MELROSE BOARD OF ALDERMEN
STANDING COMMITTEE FOR 1916**

Appropriations

Hon. Sidney H. Buttrick, *Chairman*

Aldermen Carrie, Keene, Eldredge, Gilman, Tibbetts, Mather, Goodwin,
Waterhouse

Education, Health and Charity

Alton W. Eldredge, *Chairman*

Aldermen Presby, Noyes, Gilman, Drew, Waterhouse, Wilson

Finance

William A. Carrie, *Chairman*

Aldermen Buttrick, Mather, Presby, Goodwin, Harmon, Sellers

Highways

Leslie F. Keene, *Chairman*

Aldermen Carrie, Tibbetts, Mather, Waterhouse, Marr, Bruce

Legal and Legislative Matters

The President, Presby, Eldredge, Buttrick, Goodwin, Noyes, Harmon

Protection and Licenses

Thomas H. Gilman, *Chairman*

Aldermen Sellers, Keene, French, Howard, Wolley, Wilson

Public Service

Albert M. Tibbetts, *Chairman*

Aldermen Marr, Drew, French, Howard, Bruce, Wolley

Clerk of Committees

VICTOR C. KIRMES

City Officers

City Clerk

W. DeHAVEN JONES

Assistant City Clerk and Clerk of Committees

Victor C. Kirmes

City Treasurer

William R. Lavender

City Collector

James W. Murray

City Auditor

Edwin C. Gould

Assistant City Auditor

William T. Wolley

Engineer and Superintendent of Public Works

George O. W. Servis

Mayor's Clerk

Blanche E. Nickerson

City Solicitor

Arthur S. Davis

Chief of Fire Department

Joseph Edwards

Chief of Police

George E. Kerr

Inspector of Buildings

William S. Allen

Inspector of Plumbing

Andrew J. Burnett

Inspector of Food

David O. Parker

Inspector of Slaughtering

David O. Parker, Frank P. Sturgis

Inspector of Milk and Vinegar

H. E. Berger, Jr.

Collector of Milk Samples

Thomas F. Harris

Inspector of Animals

F. P. Sturgis

Sealer of Weights and Measures

Charles E. Merrill

Superintendent Brown Tail and Gypsy Moth

John J. McCullough

Agent State, Military Aid and Soldiers' Relief

Mary A. Kenah

Burial Agent

Mary A. Kenah

Assessors

Frank R. Upham, term expires 1919

L. Frank Hinckley, term expires 1917

Charles C. Swett, term expires 1918

Assistant Assessors

Alden B. Smith

Charles M. Field

Charles Roeder

Inspector of Wires

Fred A. Edwards

CITY OF MELROSE

Board of HealthClarence P. Holden, M.D., *Chairman*

Philip B. Carter

Ralph R. Stratton

§Grace French, *Clerk*

Verna L. Heaton

City Physician

Clarence P. Holden, M. D.

School Physician

Arthur T. Gage

Overseers of the PoorAdaline G. Reed, *Chairman*

Thomas F. Troy

Bertram E. Lovejoy

§Grace French, *Clerk*

Verna L. Heaton

Matron of Pratt Farm

§Mrs. Howard Woodman

Mrs. Frank R. Pierce

Superintendent of Pratt Farm

§Howard Woodman

Frank R. Pierce

Park Commission

Clarence T. Fernald, <i>Chairman</i>	Term expires 1920
Addison L. Winship	" " 1919
Robert A. Perkins	" " 1918
Harry N. Vaughn	" " 1917
George J. Foster	" " 1921

School Committee

Lowell F. Wentworth, <i>Chairman</i>	Term expires 1918
Wallace R. Lovett	" " 1917
Grace W. Dole	" " 1917
Sarah A. Day	" " 1917
William Coggeshall	" " 1918
*Frank A. Welt (Harry A. George)	" " 1917
William T. Atwood	" " 1919
Isabelle Stantial	" " 1919
Paul H. Provandie	" " 1919

*Deceased

§Resigned.

Sinking Fund Commissioners

Edward J. Kitching, <i>Chairman</i>	Term expires 1919
Franklin P. Shumway.....	" " 1917
Everett L. Fuller.....	" " 1918

Trustees of Public Library

Rev. Paul Sterling, <i>Chairman</i>	Term expires 1917
John O. Paisley.....	" " 1918
Frank W. Campbell.....	" " 1918
Mary C. Barton.....	" " 1917
Charles E. French.....	" " 1919
Lovisa A. Allen.....	" " 1919

Cemetery CommitteeWillis C. Goss, *Chairman*

J. Thomas Foster

J. Henry Kunhardt

Edwin C. Gould, *Clerk*Roscoe A. Leavitt, *Supt. Wyoming Cemetery***Registrars of Voters**

Edwin L. Cragin, <i>Chairman</i>	Term expires 1919
John J. Keating.....	" " 1919
Edwin J. Tirrell.....	" " 1918

W. DeHaven Jones, *City Clerk, Ex-Officio***Engineers of Fire Department**Joseph Edwards, *Chief*Charles F. Woodward, *Assistant Chief***Measurers of Wood and Bark, Weighers of Hay and Grain**

Fred H. Goss	M. H. Eagan	George Goodwin
James G. Stiles	Charles B. Goss	George M. Hall
John F. Walden	Henry W. Holden	A. R. Drew
Grace F. Gilbert		

Public Weighers of Merchandise

A. Kenneth Prior	Willard Thompson	George M. Hall
Edward A. Riley	Patrick G. DeCourcy	Elmer D. Swain
J. Osborn Leisk	Isaac L. Slocumb	Chas. F. Woodward
Edward M. Caldwell	James McTiernan	Nathaniel J. Glover
Orietta Towner	John Dyer	M. H. Eagan
George Goodwin	John Mulligan	Herbert M. Wade
Elmer O. Pray		

Field Drivers

§Howard Woodman

Frank R. Pierce

CITY OF MELROSE

Pound Keepers

§Howard Woodman
Frank R. Pierce

Fence Viewers

Daniel J. Lucey

Charles H. Everson

Constables

George W. Burke
Daniel K. Collamore
Louis B. Heaton

Charles E. Merrill
M. James Hanley

George E. Kerr
George E. Burke
Charles Roeder

Dog Officer

M. James Hanley

Keeper of the Lock-up

George E. Kerr

Police Officers

George E. Kerr, *Chief*
Redfrod M. Rand
George E. Fuller
William H. Doherty
Wallace B. Eaton
Garfield Carpenter
Daniel J. Foley

Louis B. Heaton, *Captain*
Allston H. Pineo
Christopher B. Thompson
Frank N. Pierce
Michael Reardon
Albert A. McBeth
William A. Riley

Reserve Officers

Fred M. Kirmes
Patrick O'Leary
Edwin E. Spraker

Archie E. Fish
Clement E. Burkhardt
William T. Fahy

Special Officers

Charles F. Ray
Charles J. Baker

M. James Hanley
Joseph V. Curran

Burgess W. Grover
Joseph A. Lavin

John T. Russell

Fred H. Moody

Special Officers to Serve Without Pay

Martin Allison
Roscoe A. Leavitt

George H. Cray
Charles E. Merrill
Ralph S. Cray

Charles J. Wing
Howard Woodman

Planning Board

John C. F. Slayton	Term expires	1917
Wilbur W. Davis	" "	1917
Agnes L. Dodge	" "	1917
Harold Marshall	" "	1919
Denis W. Fitzpatrick	" "	1919
E. Gertrude Copeland	" "	1919
Richard H. Sircom	" "	1918
Victor A. Friend	" "	1918
Louisa S. Hunt	" "	1918

§ Resigned

ANNUAL REPORT
of the
SCHOOL DEPARTMENT

CITY OF MELROSE
1916

School Committe for 1916

Name	Residence	Term Expires
Mrs. Sarah A. Day	45 Ashland St. . . .	1917
Wallace R. Lovett	63 Stratford Rd. . . .	1917
Mrs. Grace W. Dole	24 W. Emerson St. . . .	1917
William Coggeshall	158 East Foster St. . . .	1918
Dr. Lowell F. Wentworth	19 Bartlett St. . . .	1918
Harry A. George	69 Laurel St. . . .	1917
Mrs. Isabelle Stantial	146 Florence St. . . .	1919
William T. Atwood	1 Sewall St. . . .	1919
Dr. Paul H. Provandie	87 W. Emerson St. . . .	1919
Dr. Lowell F. Wentworth, <i>Chairman</i>	Mrs. Isabelle Stantial, <i>Secretary</i>	

Meetings of the Committee

Regular meetings of the School Committee are held in the Committee Room, High School Building, on the second and fourth Mondays of every month, except during July and August, at 7.30 p.m.

Superintendent of Schools

John Anthony 100 Bellevue Ave.
Office: High School Building—Tel. Melrose 55

Secretary

Martha A. Whiting 5 Carney Terrace
Tel. Melrose 1574-W

STANDING COMMITTEES

Finance and Supplies

Mr. Lovett Mr. Coggeshall Dr. Provandie Mrs. Dole

Schoolhouses and Janitors

Mr. Coggeshall Dr. Provandie Mr. Atwood Mr. George

Teachers and Salaries

Mrs. Day Mrs. Stantial Mr. Lovett Mr. Atwood

Text Books and Courses of Study

Mrs. Stantial Mrs. Day Mrs. Dole Mr. George

The Chairman of the School Committee is a member, *ex-officio*, of all standing committees.

SPECIAL COMMITTEES

Legislative

Dr. Wentworth

Mr. Lovett

Mr. Atwood

VISITING COMMITTEES

High School.....	School Committee
Franklin and Whittier Schools.....	Mrs. Day
D. W. Gooch School.....	Mrs. Stantial
Mary A. Livermore School.....	Mr. George
Washington School.....	Mr. Lovett
Lincoln School.....	Mr. Coggeshall
Winthrop School.....	Mr. Atwood
Joseph Warren School.....	Dr. Provandie
Sewall and Ripley Schools.....	Mrs. Dole

SCHOOL CALENDAR FOR 1917

WINTER TERM 1917

Opens January 2d and closes February 21st.

SPRING TERM 1917

First Half: Opens February 26th and closes April 13th.*Second Half:* Opens April 23rd and closes June 29th.

FALL TERM 1917

Opens September 12th and closes December 21st

HOLIDAYS DURING TERM TIME

Every Saturday, Washington's Birthday, Patriot's Day, Memorial Day, October 12th and Thanksgiving Day with the half day preceding and the day following it.

"NO SCHOOL" SIGNAL

Notice of "No School" will be given by striking the number 22 four times upon the fire alarm, and by sounding the whistle at Factory No. 2 of the Boston Rubber Shoe Company.

The signal will be sounded at 7.15 a.m. for no session in the High School, and at 8.30 for no morning session in all grades below the High School. In case there is to be no afternoon session, the signal will be sounded at 12.45.

Report of the Superintendent of Schools

To the School Committee of Melrose,

Ladies and Gentlemen:—

The following report of the public schools of the city is respectfully submitted for your consideration. This is the twenty-seventh in the series of annual reports by the Superintendent of Schools and the eighth by the present incumbent.

During the past seven years Melrose has had a rather remarkable development as a city. It is unnecessary to remind any resident of Melrose, in detail, of the many changes which have been accomplished. They are to be seen on every hand and have become an integral part of our life. But deeper and more significant than the physical improvements themselves is the vital awakening of a civic sense and a community spirit which means more to Melrose than all the rest. It is this spirit which I believe will demand for the children of Melrose, greater opportunities than we now offer.

During this period of expansion and improvement, our schools have not kept pace with the rapid strides of our city.

The Melrose School Committee is a progressive body, but it has been forced to take an extremely conservative attitude because of the financial condition of the city and the increasing tax rate. In this they have shown good judgment and a proper regard for the immediate exigencies of the city. Little has been added to the curriculum. All our time and efforts have been spent, first, in entrenching our schools strongly in the fundamentals of our traditional and academic education. In this respect the work of Melrose schools to-day can stand with honor beside that of any other Massachusetts city or town. Secondly, we have perfected an organization in which every individual has ample scope for personal initiative, yet in which the whole force is driving ahead as one compact machine, animated by the same spirit and the same purpose,—the best good of all the children of Melrose.

But the time has come when Melrose cannot afford to allow the further development of her schools to lag behind the general advancement of the city. A modern system of public schools is one of the greatest incentives to permanent residence, and the best advertisement to attract the type of citizen which Melrose desires.

It is not the wish of the School Committee or of the Superintendent to urge upon the community an improved system of schools or increased expenditures, without justification, and, since these are the public schools, permanent justification can be found only in the real desire and continuous support of the people.

This support has been given in generous measure up to the present. Will it continue to be given if it is found that our schools are not measuring up to the new standards of the community?

The only way in which this can be definitely determined is by the recommendation by the School Committee of a sufficient budget to being

the development of a system similar to that of other suburban cities and commensurate with the high ideals of the community. The answer must be given by the electorate, through their representatives, His Honor, the Mayor, and the Honorable Board of Aldermen, who alone have the power of appropriation.

CAN MELROSE AFFORD BETTER SCHOOLS?

The definite statement can be made that Melrose is not expending upon her schools an adequate amount in comparison with other cities and towns in the Commonwealth.

According to the latest report of the State Board of Education, just issued, Melrose stands number twenty-three in the amount of her tax rate per \$1,000 of valuation, yet in the amount of that tax which she expends upon the schools, Melrose stands number 174, among 36 cities and 217 towns, and in the amount per pupil, number 173.

Furthermore, the amount expended throughout the State for support of schools, in the last ten years, has increased sixty-seven per cent. The increase in Melrose, during the same period, is eight per cent. Meanwhile our High School, which is the most expensive department, has increased its enrollment from 500 to 700. Is this extravagance?

The School Committee and the whole department have worked earnestly and conscientiously for the perfection of the present system. We know the results are good. But we also know, as the citizens cannot, that, while our schools as they stand provide for the needs of a large proportion of our children, yet there is a considerable number who are not deriving the benefit they should from the present system, and are leaving its care altogether between the ages of fourteen and sixteen. These children have as much right as the others to the kind of school they need. Is it not our duty to provide for them the practical training which their future demands?

To this end the system of physical education already installed should be continued, and extended to the High School. Pre-vocational training for our boys should provide for larger numbers and better equipment. Sewing and cooking should be offered our girls in the upper grades and very practical courses in domestic science and economy, home-making, home sanitation, dressmaking, millinery, and such other occupations as our young women may desire to enter, should be offered in our High School.

MELROSE TEACHERS

Is it not further our duty, and not merely our duty but conservative business policy, to make further provision for our teachers, to the end that they may continue to work whole-heartedly and contentedly, in the most important enterprise conducted by the city? Our teachers are earnest, conscientious, loyal and efficient. They give of their best to our children and to the community. Yet out of a list of forty-five cities and large towns in Massachusetts, all but eight are paying more to their

grade teachers, all but two are paying more to their women assistants in the High School, and nearly all of these are even now planning still larger salaries. Melrose can not longer afford to lose her best teachers, or frequently to disrupt a strong organization.

The average increase for school expenses throughout the State for the past ten years, as has already been noted, is approximately seven per cent a year. In Melrose it has been less than one per cent. If our schools could have the average increase of seven per cent this year, and one-half of that for two or three years longer, the School Department would be in a position to make the necessary additions to its equipment and teaching force, and to satisfy our teachers in their salary requirements. In view of the conservative increases in the past few years, and the increasing valuation of our city, it seems only fair that our children should receive further consideration in the distribution of the tax rate. For the last school year, Melrose schools received \$5.57 on each thousand dollars of valuation. If not more than \$6.00 of the tax rate could be assigned to this department, the needs of the schools on a modern basis, would be provided for.

FIRE PROTECTION

There is one other matter, discussed in our last report, which I feel should receive the most serious and immediate consideration by every parent and citizen. I refer to the fire hazard in our schools! I realize that action on the report of the School Committee has been delayed in this matter because of the impending law which will make it possible to provide for its financing by the issuing of long term notes, and while we do not desire to force the hand of the higher authorities, it is, nevertheless, a matter of immediate and vital necessity. Basement ceilings, which are now for the most part open and exposed, should be covered with wire lath and hard plaster. Exits should be supplied with panic bolts. Fire extinguishers should be supplied all buildings. Automatic sprinklers should be installed in a few extra hazardous locations. At the Franklin School an extra exit has been ordered by the District Police, extra stairs should be built at the east end and the central stairway abolished. The Gooch School, because of its construction, should be at once supplied with a fire-escape at each end. Should a fire start in this building so as to cut off either staircase, the children in the two rooms at that end would be in great danger.

The hands of the School Committee are absolutely tied in respect to these items until funds are furnished for the work. Meanwhile every endeavor is being made to guard against the dangers of incipient fires, and to train our children to leave the buildings quickly and in an orderly manner.

In closing this brief report, I wish to repeat what I have often said, that the conditions of life in Melrose and of work in her schools, are peculiarly happy. Such pleasant relations and such a spirit of confidence,

between the School Committee, the Teachers, the Honorable Board of Aldermen and the community, are extremely rare, and if this report seems to unduly urge the needs of our schools, it is not because of forgetfulness or a lack of appreciation of those conditions, but because of a real desire for the advancement of our city, and larger opportunities for our children.

Respectfully submitted,

JOHN ANTHONY,
Superintendent of Schools

IN SCHOOL COMMITTEE,
January 22, 1917.

Voted:—

To accept the report of the Superintendent of Schools and to adopt the same as the annual report of the School Committee for the year 1916.

TOTAL COST OF ELEMENTARY SCHOOLS**School Year 1915-1916****General Control**

General Administration Salaries.....	\$2,239.64
Other General Salaries.....	970.56
Other General Expenses.....	519.25

Instruction

Teachers' Salaries.....	44,019.00
Text Books and Supplies.....	2,764.06

Operation of School Plant

Janitors' Services.....	4,696.16
Fuel and Light.....	4,542.10
Water and Miscellaneous.....	442.99

Maintenance of School Plant

Repairs, Replacement and Upkeep.....	\$5,034.99
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Auxiliary Agencies

Transportation.....	665.00
Tuition and Miscellaneous.....	1,718.24

\$67,611.99**AVERAGE COST PER PUPIL, ELEMENTARY SCHOOLS**

for these items, for the School Year, 1915-16, based on the average membership (1997) was as follows:—

General Control

General Administration Salaries.....	\$1.12
Other General Salaries.....	.48
Other General Expenses.....	.26

Instruction

Teachers' Salaries.....	22.05
Text Books and Supplies.....	1.38

Operation of School Plant

Janitors' Services.....	2.35
Fuel and Light.....	2.28
Water and Miscellaneous.....	.23

Maintenance of School Plant

Repairs, Replacement and Upkeep.....	2.52
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Auxiliary Agencies

Transportation.....	.33
Tuition and Miscellaneous.....	.86
	\$33.86

TOTAL COST OF HIGH SCHOOL**School Year 1915-16****General Control**

General Administration Salaries.....	\$760.36
Other General Salaries.....	329.44
Other General Expenses.....	176.29

Instruction

Teachers' Salaries.....	\$30,506.00
Text Books and Supplies.....	2,623.29

Operation of School Plant

Janitors' Services.....	3,586.02
Fuel and Light.....	1,502.96
Water and Miscellaneous.....	593.35

Maintenance of School Plant

Repairs, Replacement and Upkeep.....	1,198.19
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Auxiliary Agencies

Tuition and Miscellaneous.....	339.67
	\$41,615.57

AVERAGE COST PER PUPIL, HIGH SCHOOL

for these items, for the School Year, 1915-16, based on the average membership (678) was as follows:—

General Control

General Administration Salaries.....	\$1.12
Other General Salaries.....	.48
Other General Expenses.....	.26

SCHOOL REPORT

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Instruction

Teachers' Salaries.....	44.99
Text Books and Supplies.....	3.87

Operation of School Plant

Janitors' Services.....	5.29
Fuel and Light.....	2.22
Water and Miscellaneous.....	.88

Maintenance of School Plant

Repairs, Replacement and Upkeep.....	1.77
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Auxiliary Agencies

Tuition and Miscellaneous.....	.50
	\$61.38

TOTAL COST OF ALL SCHOOLS

School Year 1915-16

General Control

General Administration Salaries.....	\$3,000.00
Other General Salaries.....	1,300.00
Other General Expenses.....	695.54

Instruction

Teachers' Salaries.....	74,525.00
Text Books and Supplies.....	5,387.35

Operation of School Plant

Janitors' Services.....	8,282.18
Fuel and Light.....	6,045.06
Water and Miscellaneous.....	1,036.34

Maintenance of School Plant

Repairs, Replacement and Upkeep.....	6,233.18
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Auxiliary Agencies

Transportation.....	665.00
Tuition and Miscellaneous.....	2,057.91
	\$109,227.56

CITY OF MELROSE

AVERAGE COST PER PUPIL

School Year 1915-16

Based on average membership (2,675)

General Control

General Administration Salaries.....	\$1.12
Other General Salaries.....	.48
Other General Expenses.....	.26

Instruction

Teachers' Salaries.....	\$27.86
Text Books and Supplies.....	2.02

Operation of School Plant

Janitors Services.....	3.10
Fuel and Light.....	2.26
Water and Miscellaneous.....	.39

Maintenance of School Plant

Repairs, Replacement and Upkeep.....	2.33
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Auxiliary Agencies

Transportation.....	.25
Tuition and Miscellaneous.....	.76

\$40.83

ANNUAL FINANCIAL EXHIBIT

Fiscal Year Ending December 31, 1916

Receipts

Appropriation, regular items.....	\$107,650.00
Appropriation, from tuition.....	2,838.32
Appropriation, Special Blackboards.....	500.00
Appropriation, Special Fire Escapes.....	600.00

\$111,588.32

Expenditures

General Expenses	\$5,049.96
Teachers' Salaries	75,481.47
Text Books and Supplies	5,492.72
Tuition	1,995.20
Transportation	567.00
Support of Truants	52.00
Janitors' Services	8,394.99
Fuel and Light	7,485.40
Maintenance of Buildings and Grounds	5,274.67
Furniture and Furnishings	197.75
Other Expenses	532.25

 \$110,523.41

Special Blackboards	481.62
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 \$111,005.03

Special Fire Escapes	583.29
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 \$111,588.32

SUMMARY OF THE PRINCIPALS' REPORTS FOR THE SCHOOL YEAR, 1915-1916

I. By Schools

Schools	No. of Different Pupils Enrolled Exclusive of Re-Enrollments	No. of Boys	No. of Girls	Average Membership	Average Attendance	Per Cent. of Attendance
High.....	736	340	396	677.66	649.78	95.89
Franklin.....	331	159	172	328.61	313.26	95.33
Whittier.....	129	70	59	124.65	114.04	91.49
Warren.....	149	93	56	139.14	128.79	92.56
Livermore.....	181	87	94	180.03	174.65	97.01
Sewall.....	137	76	61	133.42	124.15	93.05
Washington.....	373	195	178	346.31	325.71	94.05
Lincoln.....	329	167	162	302.78	288.80	95.38
Gooch.....	277	150	127	283.95	265.54	93.52
Winthrop.....	134	64	70	126.52	118.04	93.28
Ripley.....	39	21	18	35.37	32.37	91.52
Total.....	2,815	1,422	1,393	2,678.44	2,535.13	94.65

SUMMARY OF THE PRINCIPALS' REPORTS FOR THE SCHOOL YEAR, 1915-1916

2. By Grades

Grades	No. of Different Pupils Enrolled Exclusive of Re-Enrollments	No. of Boys	No. of Girls	Average Membership	Average Attendance	Per Cent. of Attendance
High.....	736	340	396	677.66	649.78	95.89
Eighth.....	269	139	130	258.21	249.43	96.60
Seventh.....	250	134	116	250.84	237.92	94.85
Sixth.....	216	111	105	209.56	198.64	94.84
Fifth.....	252	123	129	247.98	236.67	95.82
Fourth.....	248	137	111	239.94	228.93	95.44
Third.....	296	149	147	284.80	267.90	94.07
Second.....	277	143	134	269.65	247.71	91.87
First.....	271	146	125	239.80	218.15	90.97
Total.....	2,815	1,422	1,393	2,678.44	2,535.13	94.65

**NUMBER OF TEACHERS IN THE DIFFERENT DEPARTMENTS
DECEMBER 31, 1916**

	Male	Female	Total
High (Grades X, XI, XII, XIII).....	7	21	28
Grammar (Grades V, VI, VII, VIII).....	1	27	28
Primary (Grades I, II, III, IV).....	0	29	29
Supervisors, Music.....	0	1	1
Drawing.....	0	1	1
Manual Training.....	1	0	1
Primary.....	0	1	1
Penmanship.....	0	1	1
Total,.....	9	81	90

**NUMBER OF PUPILS IN THE DIFFERENT GRADES
DECEMBER 31, 1916**

Primary, Grade I.....	285
Grade II.....	233
Grade III.....	273
Grade IV.....	280
Grammar, Grade V.....	254
Grade VI.....	247
Grade VII.....	217
Grade VIII.....	243
High, Freshman Class.....	233
Sophomore Class.....	162
Junior Class.....	160
Senior Class.....	112
Post Graduate.....	16
Total.....	2,715

**AVERAGE AGE OF PUPILS IN THE DIFFERENT GRADES
SEPTEMBER, 1916**

Primary Grade I.....	6 years 4 months
Grade II.....	7 years 2 months
Grade III.....	8 years 5 months
Grade IV.....	9 years 6 months
Grammar, Grade V.....	10 years 8 months
Grade VI.....	11 years 6 months
Grade VII.....	13 years 0 months
Grade VIII.....	13 years 7 months
High, Freshman Class.....	14 years 4 months
Sophomore Class.....	15 years 5 months
Junior Class.....	16 years 3 months
Senior Class.....	17 years 3 months

APPENDIX

Melrose High School

GRADUATION EXERCISES

Class of 1916

Memorial Hall, Evening of June Twenty-first, at Eight O'Clock.

PROGRAM

MARCH—From "Tannhauser" *Wagner*
High School Orchestra

INVOCATION
Charles C. P. Hiller, D.D.

SALUTATORY—"Diligence"
Edward ~~James~~ ^{ph} Donovan

CHORUS—Selections from "Faust" *Gounod*
Glee Clubs

ESSAY—"Accuracy First"
Mary C. White

ESSAY—"Responsibility for Service"
Hazel May Minott

SELECTION—"Told at Twilight" *Huerter*
High School Orchestra

AWARD OF PRIZES given by the Franklin Fraternity
Hon. Sidney H. Buttrick

CHORUS—"Auf Wiedersehn" from "Blue Paradise" *Romberg*
Boys' Glee Club

AWARD OF FIDELITY PRIZES IN MATHEMATICS
Edward ~~James~~ ^{ph} Donovan
(President of the Euclidean Society)

ANNOUNCEMENTS BY THE PRINCIPAL

CHORUS—"Excelsior" *Balfe*
Glee Clubs

VALEDICTORY
Miriam Loring

PRESENTATION OF DIPLOMAS
Dr. Lowell F. Wentworth

(Chairman of the School Committee)

SENIOR CLASS HONOR LIST

Pupils who have maintained a general average of 90% or over during their whole course.

Miriam Loring	Hazel May Minott
Edward James Donovan	Doris Ethelyn Jennings
Mary C. White	

HONORABLE MENTION

Harold George Bower	Bessie Edelstein
*Warren Hancock Hussey	Hazel Bertha Keith

HONOR LIST FOR OTHER CLASSES

Pupils who have maintained an average of 90% or over in each subject.

Junior Class

Ruth Eldredge	Helen Chain
Irene Ehlert	

Sophomore Class

Edwin Carpenter

Freshman Class

Francis Manley	John Sands
Miriam Townsend	

MELROSE WOMAN'S CLUB HONORS

Ruth Nevins	Alma E. Hilton
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MELROSE HIGH SCHOOL ORCHESTRA

Miss Bertha E. Piggott, *Leader*

First Violin

Rosamond Munroe, '16	Harold Sewall, '17
Hazel A. Stark, '16	Lillian Curtis, '16
Malcolm Hupper, '18	

Second Violin

Kenneth S. Loring, '19	Norman S. Pack, '18
James A. Whitford, '19	

*Completed the course in three years.

Cello

Elizabeth K. Smith, '18
Randolph Smith, '18

Cornet

Arthur E. Bourne, '19
Violet Maxwell, '18

Flute

G. Faxon Shorey, '16

Saxophone

James H. Jennings, '16

Drums

Arthur F. Gibbons, '17

Piano

Gladys M. Fales, '16

FRANKLIN FRATERNITY PRIZES**English (Senior Class)**

Franklin Blackmer

Honorable Mention—Warren H. Hussey

English (Junior Class)

Not conferred.

English (Sophomore Class)

Edwin F. Carpenter

English (Freshman Class)

Kenneth Loring

Algebra (Freshman Class)

John W. Sands

Algebra (Open to all)

Miriam Loring

Geometry (Sophomore Class)

Harland Wilbur

Geometry (Open to all)

Melvin Jenney

CLASS OF 1916

Dean Woodman Ackerman	Edna Gibson Leving
W. Vernon Allan	Althea Hathaway Libby
Albert Caverly Allen	Miriam Loring
Irene Estelle Beede	William Jordan Lossone
Franklin Henry Blackmer	Lawrence Edward Lovejoy
Edna Sherman Blanchard	Ednah Mae MacDonald
Horace Hazeltine Bolton	Gordon Burman MacKenzie
Harold George Bower	Ruby Lyle Macneill
Aileen Elizabeth Alice Bright	Ruth Metcalf
Mildred Emily Buckler	Howard Osman Milton
Olive Hazel Cady	Hazel May Minott
Ralph Crosbie Calley	Helen Morse
Isabelle Dorothy Cargill	Ethelind Augusta Munroe
Margaret Coburn	Oliver Hall Munroe
Marion Comey	Rosamond Louise Munroe
Annie Laurie Corbett	Mary Elizabeth Murray
Louise Elizabeth Coughlin	Edward Joseph Murphy, Jr.
Ethel Allen Cox	Jeremiah Joseph Murphy
Tom Oakes Crosby	Roland Clark Murphy
Lillian Frances Curtis	Ruth Nevens
Roger Henderson Damon	Chester Albert Nickerson
Selma A. Davidson	Burton Francis Nowell
Dorothy Marie Davis	Elizabeth R. O'Leary
Florence Horton Dean	Lucile Page
Worcester S. Dike	Bertha E. Parker
Edward James Donovan	Howard Lovejoy Parker
Bessie Edelstein	Alfred Dyer Parsons
Gladys Marion Fales	Viola J. Patten
Pearl Lydia Farmer	Harold Chapin Pendleton
Howard Irving Fitz	Helen Virginia Perkins
John V. R. French	Delma Irene Perry
Gwendolyn Laura Fulton	William Pettit
John Winfield Gately	Anna Constance Peverly
Leila Southworth Gerrish	Everett Gerrish Philbrick
Winifred Elma Gerry	Ralph W. Proctor
Joseph L. Gibbons	E. Russell Proctor
Olive Irene Glover	Lester Alfred Pulley
Henry Chandler Goldthwaite	John Freeman Rand
Marion Sarah Grant	George Kenneth Redding
Thelma Cecile Grant	Elizabeth Catherine Riley
W. Martin Grovestein	Marion Thelma Roberts
Edna Guppy	Mildred Evelyn Robinson
Raymond Harrington	Stanley P. Rupert
Wesley Edric Hawkes	Priscilla Morris Scott
Bigelow T. Hersey	Ruth Gladding Shepard

Martha Emmeline Hersey
 Margaret Sturgis Hildreth
 Kenneth Millard Hills
 Alma Elizabeth Hilton
 Marguerite Bruce Hiltz
 Daniel Francis Hislop
 Ruth Howard
 Florence Josephine Hughes
 *Warren Hancock Hussey
 Doris Ethelyn Jennings
 W. Francis Jennings, Jr.
 James Harold Jennings
 Arthur Lawrence Jackson
 Louis Baker Johnson
 Marion Beatrice Jones
 Hazel Bertha Keith
 Hilda Florence Keith
 Isabelle Kelley
 Margaret King
 Dorothy Kenneth Kohl
 Ruth Kunhardt
 Grace Gertrude Leavitt
 Ralph Goodwin Leavitt
 Adrienne Theresa Leving

G. Faxon Shorey
 Rachel C. Shorey
 Gladys Ethel Smith
 Grace Louise Snow
 Mary Elinor Snow
 Annie Wilson Souter
 Hazen Pingree Spinney
 Hazel Alene Stark
 May Isabelle Stockwell
 Beulah Evangeline Stoddard
 Lillian Elise Stromquist
 Raymond L. Swain
 Lillian May Taylor
 Horace Putnam Tirrell
 Edith Azuretta Todd
 Glenna Beatrice Towner
 Errol Humphreys Twitchell
 Max Otto von Klock, Jr.
 Matthias G. Warren
 Frances Elizabeth Waterman
 Mary C. White
 Grace Young

*Completed the course in 3 years.

PUPILS PROMOTED FROM THE EIGHTH GRADE TO THE HIGH SCHOOL, JUNE, 1916

Eighth Grade (A) Franklin School

Albee, Pauline
 *Blackford, Hilda
 *Crandon, Eleanor
 *Dean, Hazel
 *Deane, Dorothy
 *Despin, Lena
 *Earl, Evelyn
 *Ilsley, Priscilla
 Loomis, Ethel
 Munn, Catherine
 *Simpson, Miriam
 *Todd, Alberta
 *Wahlgren, Frances
 *Walker, Louise
 *Waterman, Clara
 *Woglom, Dorothy
 *Webber, Marie
 *Young, Lydia

*Brown, Elbert
 Colbath, Walter
 *Cox, Eugene
 Edgerly, Julien
 *Ford, Banning
 *Hubbard, Curtis
 *Ilsley, Donald
 *Hadley, Leonard
 *Lalumiere, David
 *Litchfield, Wallace
 *Rapp, Richard
 *Robertson, Albert
 *Sampson, Earl
 *Sears, Richard
 *Stewart, Albert
 *Turner, Wilson
 *Underwood, Donald
 *Westhaver, Loren
 Woodland, Lloyd
 *Yeadon, Frank

Eighth Grade (B) Franklin School

- | | |
|------------------------|----------------------|
| *Clark, Hazel E. | *Beard, Welden |
| *Chesley, Harriet | *Canney, Treue |
| *Cox, Mary A. | *Cutter, Paul |
| *Dean, Mary | Earl, Donald |
| *Derrington, Genevieve | *Farland, George |
| *Flagg, Maude | *Grossman, David |
| *George, Rebecca | Harmon, Victor |
| Heron, Alma | *Luce, Stewart |
| *Hirst, Helen | *McLaughlin, Frank |
| *Lagg, Estelle | *Moody, Norman |
| *Mace, Dorothy | *Muskavitz, Philip |
| *Manson, Eleanor | *Sawtelle, Herbert |
| *Ormsby, Ernestine | *Sayward, Henry |
| *Parks, Marion | *Standley, Frederick |
| *Raymond, Dorothy | |
| Reed, Winifred | |
| *Ruderman, Edith | |
| *Sweet, Margaret | |

Eighth Grade, Lincoln School

- | | |
|------------------------|------------------------|
| *Bernhard, Louise E. | *Devlin, Earl M. |
| *Breer, Eleanor L. | *Driver, Robert P. |
| *Gershon, Hattie | *Fall, Leroy G. |
| *Goss, Barbara | *Fuller, Paul |
| *Hall, Carmilla M | *Higgins, Harris A. |
| *Hansley, Daisy | *Higgins, Whitney |
| Harrison, Eunice | *Hills, Franklin C. |
| *Hulsman, Hilda R. | Hulsman, George W. |
| *Johnson, Ernestine F. | *Kennedy, James F. |
| *Lilly, Dorothy R. | *Von Klock, Werner |
| *MacKeon, Ruth G. | MacDowell, Walter C. |
| Moscovitz, Olive | *O'Donnell, Walter F. |
| *Patten, Helen G. | *Scenna, James |
| *Piper, Nesta | *Sellers, Wendell F. |
| *Selik, Rachel | Sloane, Arthur C. |
| *Shorey, Alice L. | *Sylvester, Richard E. |
| *Sonier, Mildred A. | *Thompson, Clifford |
| *Taylor, Demetria | |
| *Thomas, Louise | |
| Wilk, Jennie M. | |

Eighth Grade, Mary A. Livermore School

- | | |
|------------------------|------------------------|
| *Babson, Charlotte R. | *Batchelder, Sydney H. |
| *Babson, Ruth S. | *Brackett, Harold A. |
| *Bricher, Gwendolyn B. | *Broderick, Arthur W. |

*Cleaveland, Hope A.
*Hooker, Alice G.
*Knight, Dorothy E.
*Lougee, Helen W.
*Lovejoy, Catherine O.
Maguire, Helen
*Manley, Marion
*Marden, Marion
*Marshall, Gertrude K.
*McDowell, Mary E.
Page, Geneve I.
Page, Evelyn
*Perkins, Louise
*Richards, Edna W.
*Robertson, Doris K.
*Smith, Miriam H.
*Solberg, Elvira C.
*Wheeler, Mabel F.

*Carr, George E.
*Cutting, Clifford
*Davison, Leroy A.
*Dole, Kenneth
*Dole, Malcolm
*Flanders, Jackson
*Fletcher, Boynton J.
*Hall, Appleton
*Habberley, Robert R.
*Hynes, Charles H.
*Lindsay, George L.
*Luckett, Francis E.
*McKie, James B.
Norris, G. Edward
*Perley, Roscoe L.
Rendall, Philip F.
*Robertson, Russell E.
*Sewall, David R.
*Sherman, Frank J.
*Wentzell, Raymond E.

Eighth Grade, Washington School

*Doucette, Alma G.
*Ehrenberg, Greta K.
*Eldredge, Esther
*Harrington, Anna
*Lucey, Marguerite E.
*Morse, Harriett E.
*Myers, Edith F.
*Stromquist, Ruth A.
*Tibbetts, Margaret A.
*Von Horn, Bertha C.
Wells, Dorothy

*Barnes, Lester F.
Bertoldo, Ravochol
*Davis, Frederic
*Desmond, J. Henry
*Fuller, Frank P.
*Garvey, Francis M.
*Hall, William A.
*Hayes, Sewell W.
*Judkins, Richard C.
Judkins, Theodore R.
*Montgomery, Harold F.
*Pratt, Leslie C.
*Somes, Edward W.

Eighth Grade, D. W. Gooch School

*Armstrong, Helen M.
*Clarke, Kathleen E. W.
*Coburn, Lois
*Cronin, Mary A.
Fearer, Eva
*Kilday, Virginia

Alkins, William G.
Anderson, Russell F.
*Bolton, Chas. O.
*Calton, Robert
Conn, George
*Corthell, Leslie N.

*Sansom, Helena B.
*Sprague, Dorothy J.
*Stanley, Isabel
Zelck, Dorothy A.

*Dieter, Dean C.
*Gibbons, Percy
*Gittes, Daniel
*Hart, Burt J.
Robinson, Charles A.
*Scarboro, Robert E.
*Sturges, Alton V.
*Swain, Elden F.

*Entered High School in September—84 per cent.

Assessors' Report

January 1, 1917.

Honorable Charles H. Adams, Mayor:—

*Dear Sir:—*The Board of Assessors herewith submit their report for the year ending December 31, 1916.

TAXABLE VALUATION OF THE CITY

Buildings.....	\$10,957,650.00
Land.....	5,891,700.00
Total Real Estate.....	\$16,849,330.00
Personal Estate.....	2,795,800.00
Total Valuation April 1, 1916.....	\$19,645,150.00
Rate of Taxation \$22.00 per \$1,000.00.	

Amount Raised on Property and Polls as Follows:

Real Estate.....	\$370,685.70
Personal Estate.....	61,507.60
4949 Polls at \$2.00.....	9,898.00
\$442,091.30	

Divided as follows:

State Tax.....	\$32,000.00
County Tax.....	20,650.93
Met. Sewer Tax.....	16,153.54
Met. Park Tax.....	8,183.80
State Highway Tax.....	200.00
Charles River Basin Tax.....	1,834.04
Fire Prevention Tax.....	289.30
City Tax.....	350,771.03
Overlay.....	12,008.66
\$442,091.30	
Supplementary Assessments.....	\$22,044.00
Street Watering Assessed.....	11,156.74
Moth Tax Assessed.....	195.06
Excise Tax Assessed (Bay State Street Ry.).....	2,446.24

Number of residents assessed.....	3,182
Number of non-residents assessed.....	678
Number of persons assessed for poll tax only.....	3,549
Number of horses assessed.....	297
Number of cows assessed.....	287

Valuation of Exempted Property:

Houses of religious worship.....	\$370,775.00	
Literary and benevolent institutions	188,825.00	\$559,600.00

Respectfully submitted,

L. FRANK HINCKLEY

CHARLES C. SWETT

Assessors

Year	Census	Dwell-ings	Polls	Value Buildings	Value Land	Total Val. Real Estate	Value Personal Estate	Total Valua- tion	Rate per \$1,000	City Appro- priation	Sewer- age Tax	Park Tax	State Tax	County Tax	Overlay	Total Tax Levy	Year
1900	12,715	3,237	3,650	\$7,582,525	\$4,398,150	\$11,980,675	\$797,690	\$12,778,365	\$18.00	\$199,837.41	\$9,431.01	.....	\$6,645.00	\$11,857.11	\$9,540.04	\$237,310.57	1900
1901	12,781	3,248	3,711	7,610,850	5,993,025	13,603,875	1,286,890	14,890,765	16.20	206,635.82	9,727.23	.....	7,437.50	13,388.55	*11,463.29	248,652.39	1901
1902	13,369	3,280	3,931	7,781,400	5,927,575	13,708,975	1,656,505	15,365,480	17.20	237,107.27	10,561.13	\$1,977.83	6,375.00	13,365.88	2,861.15	272,148.26	1902
1903	13,641	3,312	4,052	7,865,250	5,915,375	13,780,625	1,397,005	15,177,630	18.00	237,087.74	10,808.84	5,169.59	10,625.00	13,917.89	3,692.28	281,301.34	1903
1904	14,021	3,319	4,137	7,945,700	5,867,625	13,813,325	1,424,530	15,237,855	17.40	225,003.32	11,744.15	5,696.87	11,625.00	15,716.05	3,027.28	273,412.67	1904
1905	14,559	3,334	4,235	8,020,150	5,845,800	13,865,950	1,463,745	15,329,695	18.00	227,044.58	12,077.04	5,922.31	18,600.00	15,272.57	5,488.01	284,404.51	1905
1906	14,572	3,363	4,235	8,131,450	5,787,100	13,918,550	1,559,330	15,477,880	17.80	229,006.55	12,222.49	6,183.01	16,275.00	10,188.40	4,100.81	283,976.26	1906
1907	14,860	3,382	4,318	8,288,850	5,781,500	14,070,350	1,664,060	15,734,410	17.00	219,753.24	9,264.95	7,183.32	18,000.00 } *102.00 }	15,880.08	6,038.36	276,120.97	1907
1908	15,122	3,393	4,344	8,450,675	5,788,475	14,239,150	1,733,810	15,972,960	18.50	234,100.42	14,397.93	7,868.56	*19.75 } 24,750.00 }	15,606.50	7,444.60	304,187.76	1908
1909	15,246	3,416	4,438	8,627,425	5,775,725	14,403,150	1,746,675	16,149,825	19.30	250,100.51	13,567.95	8,158.34	20,250.00 } *19.75 }	17,350.17	11,220.90	320,567.62	1909
1910	15,735	3,447	4,490	8,865,325	5,771,450	14,636,775	1,827,090	16,463,865	19.40	255,567.13	14,834.95	8,494.76	23,760.00 } *19.51 }	16,478.32	9,224.31	328,378.98	1910
1911	16,118	3,503	4,515	9,164,225	5,757,450	14,921,675	1,975,950	16,897,625	20.40	276,517.13	15,496.52	11,634.39 } *4,076.16 }	23,760.00 } *20.00 }	15,170.07	7,067.28	363,741.55	1911
1912	16,241	3,564	4,596	9,452,650	5,757,150	15,209,800	2,213,000	17,422,800	20.40	283,731.71	15,804.48	9,412.75 } *1,323.37 }	27,000.00 } *18.75 }	14,860.33	12,466.03	364,617.12	1912
1913	16,612	3,611	4,620	9,791,425	5,791,425	15,582,850	2,420,900	18,003,750	20.40	289,544.80	17,103.24	10,262.39 } *1,655.79 }	32,640.00 } *20.00 }	16,466.40 } *1,502.39 }	7,316.90	376,511.91	1913
1914	17,037	3,074	4,685	10,144,550	5,816,700	15,961,250	2,606,080	18,567,330	21.70	316,917.47	17,437.18	10,558.39 } 1,731.04 }	35,700.00 } 67.65 }	19,877.92 } 136.46 }	10,154.95	412,281.06	1914
1915	17,096	3,748	4,850	10,494,300	5,823,300	16,317,600	2,623,780	18,941,380	23.70	359,106.29	17,201.57	10,796.50 } 1,621.29 }	39,780.00 } 52.40 }	20,682.55 } 133.25 }	9,230.85	458,610.70	1915
1916	17,317	3,864	4,949	10,957,650	5,891,700	16,849,350	2,795,800	19,645,150	22.00	350,771.03	16,153.54	8,183.80 } *1,834.04 }	32,000.00 } *200.00 }	20,650.93 } *289.30 }	12,008.66	442,091.30	1916

*Charles River Basin. State Highway. Miscellaneous.

Report of Inspector of Wires

To the Honorable Mayor and Board of Aldermen,

City of Melrose, Mass.

Gentlemen:—I respectfully submit the following report of the Wire Department for the year ending December 31, 1916.

FIRE ALARM SYSTEM

The Fire Alarm System has been kept in very good condition. Three miles of weather-proof iron wire has been run in on outside circuits in place of old bare wire.

Sixty-five two-pin and thirty-two four-pin arms have been replaced with new ones.

Two new boxes have been installed, one the corner of Youle Street and Warwick Road, and the other on Linwood Avenue opposite Glen Avenue.

A Punch Register was purchased to take the place of the old visual Indicator at Combination A's house, which has been giving some trouble.

One thousand, five hundred and fifty-four (1,554) inspections of boxes were made and the box movement cleaned and oiled at least once.

POLICE SIGNAL SYSTEM

Thirty-five two-pin and forty-two four-pin arms have been replaced with new ones.

One mile and a half of wire has been run in and insulated from trees.

Each box was inspected twice a month, making a total of three hundred and eighty-four inspections.

The instruments at Police Headquarters have been kept in first class condition.

INSPECTION OF WIRES.

One thousand and three inspections were made of old and new houses, issuing five hundred and forty-five permits allowing current to be turned on.

Starting January 1, 1916, new rules were enforced changing the class of wiring for cellars, garages and 550-volt motor work, greatly improving the same.

The Inspector of Wires has collected thirty-six dollars and fifty cents for Inspection Fees, which was turned over to the City Treasurer.

RECOMMENDATIONS

The purchase of an eight-circuit repeater and protector board to be installed at Fire Alarm Headquarters to take the place of the old one which has been in service for twenty-six years and second hand when purchased.

The city wires on Main Street from Goodyear Avenue to the Wakefield line should be pulled in under ground.

The purchase of a Diaphone Horn to be installed at Central Fire Station or other convenient place, as the present bell system of giving the alarm to the call men cannot be heard at any great distance.

Ten new fire-alarm boxes should be purchased to take the place of old Municipal Non-interfering type of box, the movement of which is old and not positive in operation.

Respectfully,

FRED A. EDWARDS,

Inspector of Wires

Report of Inspector of Buildings

Melrose, January 22, 1917.

*To His Honor the Mayor and the Board of Aldermen,
Melrose, Mass.*

Gentlemen:—In making this, my second annual report, I am glad to report what seems to me a much better building construction throughout the city.

The number of permits issued during the year is 284 with an estimated valuation of \$436,715.00. One hundred and nineteen permits for additions and alterations; 70 for garages, and 95 for new construction. The latter at a valuation of \$354,027.00

Our Building Ordinances are the best in greater Boston, if not in the whole Commonwealth. A proof of which is the fact that they are being sent for from all over the State, and even in the Middle West, yet there has developed a need for added Ordinances to cover seemingly vital questions.

First:—There should be an Ordinance governing the construction of stores simply as stores, or stores with tenements above, within the fire limits.

Second:—There should be an Ordinance prohibiting the altering of a two-story, or two-story and attic type of house in such a way as to admit of one, or more tenements or apartments on the third or attic floor, unless the building is a first, second or third class building.

Third:—The shack is ever a nuisance, and is becoming more and more so in certain sections of the city. A detriment to the proper development of property and a material decrease in value to owners of property in the immediate vicinity. There seems to be no way of remedying this as long as the material used and the construction conforms to the Building Ordinances, other than very stringent, sanitary and plumbing ordinances are made to cover both the inside and outside of the building. Thus naturally bringing about a better class of building on account of the cost of plumbing that must be done. This ordinance, to my mind, should be a part of the Building Ordinances.

On the plan for remodelling the City Hall for office purposes, there is a room for the Building, Plumbing and Wire Inspectors. This is as it should be. Developments the past year have shown that these three departments should be consolidated into one department, possibly called the Building Department.

In view of the above seeming needs and the fact that the supply of Building Ordinances is nearly exhausted, would it not be wise to appoint a committee of three persons, as soon as possible, to take into consideration the above recommendations and any other needs that may present themselves, and report their findings and recommendations at an early date, and that a contingent fund of not less than \$75.00 be appropriated to print 500 copies of the Building Ordinances, when revised and completed.

There are still contractors in the various lines of building that need constant watchfulness, not realizing that it is for the best interest of all concerned that every Ordinance of the city should be carried out to its fullest interest. More than 500 official visits have been made to the buildings under process of construction or alteration, besides many conferences on matters pertaining thereto.

I wish to thank any and all who have in any way aided in the carrying on the work of this Department.

Respectfully submitted,

WILLIAM S. ALLEN,
Inspector of Buildings.

Financial

Appropriation.....		\$425.00
Salary.....	\$400.00	
Printing.....	25.00	
	\$425.00	\$425.00

Report of Sealer of Weights and Measures

To the Mayor and Board of Aldermen:—

Gentlemen:—I herewith submit a report of the operations of the Department of Weights and Measures for the year ending Dec. 31, 1916.

Total number of articles tested.....	352
Total number of correct weight.....	10
Total number under weight.....	35
Total number over weight.....	297

But one instance required interference: that case was one of 34 bags of coal (all short), this lot was condemned and taken back by the wholesaler (out of town dealer). On following this up we found that the weighing was done by boys. We have made frequent inspections of stores, pedlar, milk teams, ice wagons, junk wagon, coal certificates (carried by drivers), licenses, etc.

Fish pedlars are now required to have a license. We are fortunate in having a good class of merchants. All incorrect weights found in stores were on the average overweight and traceable to carelessness of boys.

Total receipts for the year amounted to \$68.91.

We are supplied with all necessary standard of weights and measures required.

Would recommend that some provision for transporting apparatus from stores to store be made.

Respectfully,

CHARLES E. MERRILL,

Sealer

Annual Report
OF THE
Board of Health
OF THE
City of Melrose
FOR THE
Year Ending December 31st,
1916

MAYOR

Honorable Charles H. Adams

BOARD OF ALDERMEN**COMMITTEE ON EDUCATION, HEALTH AND CHARITY.**

Mr. Alton W. Eldredge, Chairman; Lorin A. Presby, Frank H. Noyes,
Thomas H. Gilman, Charles Drew, Harold P. Waterhouse, H. Ray Wilson.

MEMBERS OF THE BOARD OF HEALTH

Dr. Clarence P. Holden		21 Vine Street
Dr. Ralph R. Stratton		654 Main Street
Philip B. Carter, Esq.		26 Poplar Street

OTHER OFFICERS

Grace French, *Clerk.*

Andrew J. Burnett, *Plumbing Inspector*

Frank P. Sturges, *V. S. Inspector of Animals and Slaughtering.*

David O. Parker, *Inspector of Slaughtering.*

Robert N. Hoyt and Henry E. Berger, *Inspectors of Milk.*

Dr. Ralph R. Stratton, Dr. Arthur T. Gage, Dr. Albert E. Small, *Medical
Inspectors of Schools.*

Miss Jennie M. Irving, *Public Health Nurse.* .

Report of the Board of Health

To the Honorable Mayor and Board of Aldermen, City of Melrose:—

Gentlemen:—The Board of Health respectfully submits herewith its annual report for the year ending December 31, 1916.

The membership is the same as in 1915, to wit: Clarence P. Holden, M.D., Ralph R. Stratton, M.D., and Philip B. Carter, Esq.

DISEASES DANGEROUS TO THE PUBLIC HEALTH

Diphtheria.—There was a total of fourteen cases and one death. This is a very small number of cases and there was at no time an epidemic and many of the cases were contracted elsewhere.

Scarlet Fever.—There were only eleven cases with one death. This is the smallest number of cases on record during the past ten years.

Typhoid Fever.—Total number of cases, fourteen; deaths, one. Some of these cases were of foreign origin. Two cases had their origin on a dairy farm and were probably of the same origin as a large number of cases were reported in Lynn and received milk from this farm. In Oct. and November there was a total of six cases developed in one family. The Board of Health assisted by the State Department of Health was unable definitely to determine the cause or origin, but it seems entirely probable that it was due to some article of infected food which had been brought into the house from outside.

Whooping Cough.—In the report for 1915 the Board of Health called attention to what appeared at that time to be the beginning of an epidemic of whooping cough. There were during the four months of January to April one hundred and seven cases with four deaths. More deaths than were caused by the much dreaded infantile paralysis, yet people persist in regarding whooping cough as a mild disease and neglect to use proper care for the isolation of cases.

Infantile Paralysis.—Melrose was one of the last cities to become infested with infantile paralysis. During the three months September, October and November, there were reported a total of seventeen cases with three deaths. This gives Melrose a rather high rank as to the number of cases because in the worst epidemics there is seldom more than one case to the thousand of the total population.

While the experience of the National Health Bureau, various State Boards of Health, and a large number of local Boards was very greatly increased by the epidemic of 1916, yet absolute knowledge as to how this disease is transmitted is not known. Before 1916 cases of infantile paralysis were treated in the wards of General Hospitals and in the homes

of patients without dangerto other inmates of hospitals, or other members of families, and it seems reasonable to suppose that the strict quarantine of families in which a case occurred during the last epidemic was undoubtedly unnecessary and ought not to be repeated in future outbreaks.

The Board examined many individuals for certificates of health, who were traveling to other states or foreign countries and all families and all persons coming here from infested districts were reported and were visited and kept under observation for a period of two weeks.

Tuberculosis.—The total number of cases in the list December 31, 1915 was twenty and twenty-six new cases were reported during the year, making a total of forty-six cases. The disposition of these cases were as follows: arrested six cases; death, thirteen cases; removals, three; one diagnosis withdrawn, leaving twenty-three cases on our list December 31, 1916, as against twenty on December 31, 1915. Of the twenty-six new cases reported, twenty-five were pulmonary and one abdominal. As to the origin of the twenty-six cases, eighteen should be classified as having their origin in Melrose and eight outside. Of these twenty-six cases, one was reported only by death and twenty-five were reported during life. The total amount expended in the care of tuberculosis cases was \$1,635.71 as against \$1,686.63 in 1915.

Tuberculosis Dispensary.—The Tuberculosis Dispensary at the Melrose Hospital has been open Friday evenings as heretofore and a large number of children in families where there have been cases of tuberculosis have been examined.

Bacteriology—The bacteriological examination of milk has been done by the Milk Inspector and full reports will be found in his annual report to the Board of Health. Other bacteriological work, to wit; the examination of sputum for the diagnosis of tuberculosis, the examination of blood and other secretions for typhoid fever, malaria, and ophthalmia neonatorum, also the examination of throat cultures for diphtheria have been made by the State Department of Health.

Antitoxin.—Antitoxin for the treatment of diphtheria, furnished without charge by the State Department of Health, has been distributed to physicians as heretofore.

Vaccination.—Seventy-one successful vaccinations have been performed at this office and seventy-five certificates of successful vaccination have been issued.

Disinfection.—Disinfection at the close of cases of transmissible diseases by formaldehyde gas has largely been discontinued because of the belief that the danger comes from direct contact with the case or by use of infected food, rather than by other infected things. This Board, however, has not wholly discontinued terminal disinfection.

SCHOOL INSPECTION

Medical inspection of schools has been carried on substantially as in previous years except the work has been very materially aided by the work of the Public Health Nurse. During the epidemic of infantile paralysis all the schools were visited daily and all pupils were examined previous to their admittance to school, the regular staff of school physicians being aided by several volunteer workers. No case of infantile paralysis occurred among pupils of the schools.

The diseases found among the pupils during the year include the following, to wit: measles, mumps, whooping cough, chicken pox, tonsilitis, adenoids, bronchitis, conjunctivitis, pediculosis, impetigo, ringworm, eczema and dermatitis.

During the coming year the Board expects to make physical examinations of school children in the lower grades of the grammar schools. Eighty examinations of children who wish to go to work have been made.

GARBAGE AND RUBBISH

Chapter 6, Section 1 of the Regulations of the Board of Health has been amended and reads as follows, viz:

"Householders and the proprietors of stores, groceries and markets, or any other places where garbage is made, kept or stored, and the landlords of all apartment and tenement houses, shall provide separate receptacles, of sufficient size, for household waste and garbage.

First.—A covered, watertight, fly-proof bucket for offal, refuse, animal and vegetable waste, such receptacles to be kept covered, in a place secure from the depredation of dog and other animals, and convenient of access. The contents thereof to be removed only by the persons authorized by the Board of Health.

Second.—All garbage must be drained and water kept out of the garbage bucket. No tin cans, broken crockery or glass bottles shall be put in the offal bucket but these should be put in the ash barrel. Raw meat, fish or fowl or any parts thereof shall be wrapped in paper before placing them in a garbage receptacle. OFFAL ON THE GROUND WILL NOT BE COLLECTED.

Third.—Barrels, preferably of iron, shall be provided for ashes and other dry household waste, to be removed by or under the supervision of the Superintendent of Public Works. All paper should be securely bundled or baled, and kept separate from the ashes.

The Board was obliged to cancel the contract for the collection of swill and garbage and after August 1st the city was divided into three districts and contracts made with different individuals for the collection of garbage in each district. This plan has been much more satisfactory than giving a single contract for the whole city.

ORDINANCES RELATIVE TO HEALTH**An Ordinance Relative to Cesspools and Privies.**

Section 1. No cesspool shall hereafter be constructed, and after May 1, 1917, no cesspool shall be maintained within the limits of the City of Melrose, unless the same shall conform to the following requirements; where the ground is suitable, a leaching cesspool shall be built of concrete construction within three feet from the top, tightly covered and made fly-proof; where the ground is not suitable for a leaching cesspool, a water-tight cesspool shall be constructed, tightly covered and made fly-proof. The kind and size of cesspool shall be determined by the Board of Health and shall depend upon the soil foundation and amount of sewage or drainage to be emptied into such cesspool. No cesspool shall be covered until inspected and approved by an agent or inspector of the Board of Health.

Section 2. No privy shall hereafter be constructed and after May 1, 1917, no privy shall be maintained within the limits of the City of Melrose unless the same shall conform to the following requirements:—the privy vault shall be water-tight with eight-inch concrete wall, sides, ends and bottom and properly covered at the rear and made fly-proof, the size to be four feet by four feet by four feet, inside measurements. Provided, however that this section of the ordinance shall not apply to temporary privies constructed by contractors or builders who receive a permit from the Board of Health to maintain a vault for the use of employees; such temporary privy, however, to be kept and maintained under such restrictions and regulations as the Board of Health may from time to time prescribe.

INSPECTION OF RANGE BOILERS

Section 9. No range boiler shall be installed unless its capacity is plainly marked thereon in terms of the Massachusetts Standard Liquid Measure, together with the maker's business name in such manner that it may easily be identified.

No copper, iron or steel pressure range boiler, whether plain or galvanized, or other vessel or tank in which water is to be heated under pressure, shall be installed without having stamped thereon the maker's guarantee that it has been tested to not less than two hundred-pound hydraulic pressure to the square inch.

And no such boiler or other vessel or tank in which water is to be heated under pressure shall be installed if the working pressure is greater than forty-two and one-half per cent of the guaranteed test pressure marked thereon by the maker.

And no such boiler or other vessel or tank in which water is to be heated under pressure, shall be installed unless it has safety and vacuum valves to prevent siphonage and expansion or explosion, satisfactory to the Inspector of Plumbing.

The Plumbing Inspector must be notified when this work has been completed.

MELROSE HEALTH WEEK

The Board of Health, with the assistance of the State Department of Health and the co-operation of the public schools designated the week beginning February 6th as Health Week.

The Child Welfare Exhibit of the State Department of Health was displayed in the High School building and open daily during the whole week. There were illustrated lectures in all the grammar schools of the city and also in the High School during this week and a public meeting was also held in the City Hall Auditorium with an illustrated lecture by Professor Selskar M. Gunn of the State Department of Health. All of these meetings were addressed by the Mayor and the Chairman of the Board of Health and it was the universal opinion that Melrose Health Week was a great success. It certainly aroused a good degree of interest and, it is hoped, did some good.

MOSQUITOS

A large number of stagnant pools located in the residential districts of the city were treated by petroleum oil during the summer to prevent the hatching of successive groups of mosquitos. This work ought to be continued on a larger scale.

BARBER SHOPS

The barber shops have been inspected, and are rated from a sanitary viewpoint as good, fair and unclean.

8 are rated good.

1 is rated fair.

0 are rated unclean.

BAKERIES

Bakeries have been inspected as required, and all were found in good, sanitary condition.

DAIRY INSPECTION

All dairies in Melrose, and in nearby cities and towns, supplying milk to Melrose, have been inspected. The general conditions in and near Melrose are much improved since our present method of milk inspection was adopted, and the facts given publicity.

Dairies are not scored, but are rated excellent, good, fair and unclean.

Number rated excellent 1

Number rated good 13

Number rated fair 8

Number rated unclean 0

—
Total number inspected 22

Milk licenses issued 50

To sell milk from stores 36

To sell milk from wagons 14

NUISANCES

The following is a list of nuisances abated by order of the Board of Health or its agent, during the year and in parallel column, nuisances abated during the previous year.

	1915	1916
Privy nuisances.....	3	2
Privies abolished.....	3	6
Cesspool nuisances.....	3	11
Cesspools abolished.....	25	14
Premises connected with sewer by order of Board.....	1	2
Hen nuisances.....	5	4
Dumping nuisances.....	13	11
Uncleanly premises.....	17	17
Pig nuisances.....	1	0
Stable nuisances and exposed manure.....	2	4
Stagnant water.....	1	4
Insufficient sanitary provision.....	2	1
Defective plumbing.....	4	4
Defective drainage.....	8	1
Animals in apartments.....	1	1
Committing nuisance.....	2	0
Failure to observe quarantine.....	2	0
Flies.....	1	1
Complaints investigated and no cause for complaint.....	9	12
Dead animals buried.....	56	62
Other nuisances.....		9

Table I
FINANCIAL STATEMENT

	1915	1915 Totals	1916	1916 Totals
Total Appropriations.....		\$9,525.00		\$8,475.00
Expenditures				
General Administration.....		1,146.16		1,199.14
Salaries of Board.....	\$650.00		\$650.00	
Salary of Clerk.....	270.86		310.51	
Stationery and postage.....	58.75		48.27	
Telephone.....	50.02		51.16	
Office furnishings.....	55.20		30.54	
Reports and adds.....	23.15		73.62	
Sundries.....			35.04	
Other expenses.....		978.15		1,048.23
Examination of cultures.....	6.00		4.00	
Sanitary inspection.....	40.80		34.30	
Plumbing inspection.....	650.00		660.75	
Fumigation and disinfection.....	128.28		.86	
Dumps.....	8.71		9.40	
Burial of dead animals.....	43.00		41.00	
Office furnishings.....	13.72		49.08	
Care of insane.....	12.00		46.00	
Inspection of ice.....	33.00		28.50	
Use of automobile and carriages.....	8.00		6.81	
Tank wagon and cesspool cleaning.....			92.82	
Educational.....			45.93	
Sundries.....	34.64		28.78	
Quarantine and Contagious Disease Hosp.		2,362.44		1,318.41
Outside aid.....	84.37		1.20	
Maintenance of Contagious Hospital ..	1.80			
Maintenance of patients a hospitals...	1,909.16		1,100.61	
Board while in quarantine.....	59.29			
Reimbursement of other cities.....	253.07		51.00	
Transportation.....	54.75		109.50	
Printing.....			7.75	
Repairs on hospital.....			48.35	
Inspection.....		880.00		875.00
Inspection of school children.....	225.00		273.00	
Inspection of animals and slaughtering	155.00		102.00	
Inspection of milk.....	100.00		100.00	
Milk analyses.....	400.00		400.00	
Refuse and garbage removal.....		1,096.45		2,299.18
Tuberculosis.....		1,686.63		1,635.71
Outside aid.....	314.10		239.11	
Board in hospitals.....	1,329.20		1,375.88	
Sundries.....	43.33		20.72	
Total expenditures.....		\$8,749.83		\$8,375.67
Revenues of Board of Health.....		1,224.42		491.13
Licenses.....	42.50		43.00	
Reimbursements.....	1,181.92		448.13	

Table II

CASES AND DEATHS OF DISEASES DANGEROUS TO THE HEALTH BY MONTHS

This table includes all cases (with their deaths) irrespective of whether cases were transported into the city from elsewhere or were contracted outside of the City, also all deaths of Melrose cases dying in hospitals out of town.

Months	Diphtheria		Scarlet Fever		Typhoid Fever		Measles		Whooping Cough		Deaths Smallpox		Ophthalmia Neonatorum		Polio-myelitis		Tuberculosis						Total for Months
	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Pul. and Miliary	Meningeal	Other Forms	Cases	Deaths		
January.....	1	..	22	..	11	..	3	..	54	1	..	..	2	..	..	..	5	1	..	..	68		
February....	..	..	1	..	..	..	..	..	29	1	..	..	1	..	..	..	2	..	..	..	33		
March.....	2	..	1	..	..	..	..	..	22	2	..	..	..	..	..	..	1	..	..	..	26		
April.....	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	4		
May.....	2	..	..	..	..	..	3	..	2	2	..	..	..	..	..	..	2	..	..	..	7		
June.....	1	..	2	1	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	5		
July.....	1	1	..	..	1	..	1	..	..	..	..	..	..	..	1	..	1	..	..	..	1		
August.....	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	1		
September..	6	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..	6	..	..	..	2		
October....	..	..	..	1	5	1	..	..	..	..	..	..	..	..	13	3	2	2	..	..	14		
November..	..	..	1	..	2	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	20		
December...	..	..	2	..	2	..	2	..	..	..	..	..	..	..	..	..	..	1	..	..	5		
Total.....	41	1	11	1	4	1	11	..	107	4	..	..	3	17	3	..	22	12	..	1	200		

Table III

CASES AND DEATHS OF CERTAIN DISEASES EACH YEAR FOR TEN YEARS

This table includes all cases (with their deaths) irrespective of whether the cases were transported into the city from elsewhere or were contracted outside of the city, also all deaths of Melrose cases dying out of town.

Years	Diphtheria		Scarlet Fever		Typhoid Fever		Measles		Whooping Cough		Smallpox		Ophthalmia Neonatorum		Polio-myelitis		Tuberculosis			
	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths
1907.....	50	3	80	1	8	1	18	2	14	2	..	..	1	..	..	..	..	..	22	23
1908.....	58	2	89	..	13	2	379	1	7	1	..	..	..	..	..	..	..	..	28	15
1909.....	18	..	106	1	15	3	24	1	124	..	..	..	1	..	2	..	..	..	..	1
1910.....	41	3	32	1	14	1	18	..	..	..	..	..	..	2	..	..	..	..	..	2
1911.....	20	..	36	1	6	..	129	..	39	..	..	..	3	..	1	..	..	..	..	..
1912.....	18	1	17	..	9	1	381	1	94	1	..	..	5	..	..	..	..	..	..	2
1913.....	17	2	71	..	7	2	46	..	31	1	..	..	7	..	4	..	1	2	1	2
1914.....	86	3	69	3	5	2	29	..	1	..	..	..	9	..	1	..	1	3	1	..
1915.....	41	1	62	2	15	..	476	1	16	..	..	..	12	..	2	..	1	3	1	1
1916.....	14	1	11	1	14	1	11	..	107	4	..	..	3	..	17	3	..	..	1	1

Table IV

AGES

Table V
INFANT MORTALITY

YEAR		AGES													
		Total under 1 yr.	Under 1 day	1 to 2 days	2 to 3 days	3 days to 1 week	1 to 2 weeks	2 to 3 weeks	3 weeks to 1 mo.	1 to 2 months	2 to 3 months	3 to 6 months	6 to 9 months	9 to 12 months	
Class No.	Cause of Death														
8	Whooping Cough.....	3						1				1	1		
37	Syphilis.....	1											1		
91	Broncho-pneumonia.....	2						1							
92	Pneumonia.....	1									1			1	
		2													
104	Diarrhoea and Enteritis.....	1													
		3											1		
150-2	Congenital malformations of the heart.....														
151-1	Congenital debility, icterus and sclerema, premature birth.....	1	3	1			1								
		4												2	
151-2	Congenital debility, icterus and sclerema.....	1	1												
152-2	Other causes peculiar to early infancy.....	1		1											
168	Absorption of deleterious gases (conflagration accepted).....										1				

Table VI
INFANT MORTALITY

Year	Births	Deaths of Children under 1 year	Rate of Mortality of Children under 1 year per 100 of Children born
1910	312	36	11.53
1911	325	18	5.54
1912	305	10	3.24
1913	331	19	6.23
1914	333	22	6.61
1915	393	26	6.61
1916	384	22	5.67

Table VII
ESTIMATED POPULATION JULY 1, 1916, 17,317

	1911	1912	1913	1914	1915	1916
Apparent death rate per 10,00 population.....	10.98	10.33	11.30	11.59	12.58	12.13
Corrected death rate per 1,000 population.....	12.03	11.88	12.91	11.84	12.00	12.70

Note.—The corrected death rate is found by eliminating the records of all non-residents dying in Melrose and adding the records of all Melrose residents dying elsewhere, as shown by the records of the City Clerk.

UNDERTAKERS

The following named undertakers have been licensed: Albert J. Walton, John H. Gately, Stephen W. Harvey, Fred T. Churchill, Henry W. Clark and F. Stetson Sears.

BOARDING HOUSES FOR INFANTS

The Board has approved the applications of the following named persons to maintain boarding-houses for infants: Ida R. Atwood, Mary Bourne, Annie Brodrick, Nellie Crosby, Marie Fester, Victoria Hobart, Clara J. Manley, Phoebe E. A. Morris, Mary E. Silver.

CLARENCE P. HOLDEN,
RALPH R. STRATTON,
PHILIP B. CARTER,

Board of Health.

Report of Inspector of Plumbing

January 1, 1917

To the Board of Health, City of Melrose:—

*Gentlemen:—*I submit the following as the annual report of plumbing inspection for the year ending December 31, 1916.

Number of applications received	241
Number of permits granted	241
Number of sinks installed	178
Number of wash trays installed	141
Number of water closets installed	221
Number of bath tubs installed	171
Number of wash bowls installed	195
Number of traps replaced	45
Number of urinals installed	2
Number of drinking fountains installed	1
Number of shower baths installed	9
Number of floor drainers installed	3
Number of lead bands replaced	1
Number of old buildings connected with sewer	14
Number of old buildings connected with cesspools	2
Number of new buildings connected with sewer	66
Number of new houses connected with cesspools	18
Number of refrigerator connections	3

Total number of fixtures installed 951

Respectfully submitted,

ANDREW J. BURNETT,
Inspector of Plumbing

Report of Inspector of Animals

The Melrose Board of Health:—

Gentlemen:—

I herewith submit to you my report as Inspector of Animals for the year of 1916.

Made physical examinations of 315 cows and about 65 swine for purpose of ascertaining presence of any contagious disease, also examined and held under observation 5 horses under suspicion of having glanders, and 4 dogs which had bitten persons were also held under observation for further development.

F. P. STURGES, V. S.

Report of Inspector of Milk

Wellesley Hills, Mass., Feb. 6, 1917.

The Board of Health, City of Melrose:—

*Gentlemen:—*Herewith I submit my report as your Milk Inspector for the year, 1916:

I. THE CO-OPERATING BOARDS OF HEALTH ORGANIZATION

The duties of Milk Inspector have been performed by me as Director of the Co-operating Boards of Health Organization and Laboratory, founded in 1913 by the Massachusetts Institute of Technology and supervised by a Consulting Staff of five professors from Massachusetts Institute of Technology, the United States Public Health Service and Harvard University. The Administrative Staff has consisted of a corps of experts, and the Laboratory has been well equipped for both bacteriological examinations and chemical analyses. This Laboratory has the approval of the State Department of Health.

II. EXTENT OF MILK SUPERVISION

My duties have included the collection and analysis of samples of milk from the public supplies. The inspection of dairies, the issuing of licenses and the detection and control of infected supplies has been performed by you. The supervision of the milk supply has been governed by twofold purpose: (1) to secure clean milk through bacteriological examinations; and (2) to secure unadulterated milk through chemical analyses.

III. METHODS EMPLOYED

The same principles as were employed by us in previous years have been followed throughout this year, always however, keeping our methods up to date and in conformity with the Standard Methods as recommended by the Laboratory Section of the American Public Health Association which is the highest authority of Milk Standards.

Monthly collections, of usually pints or quarts, have been made at irregular dates to insure the collection of milks which would be representative of bottles received by consumers. Occasionally some samples are collected in sterile bottles supplied by the collector. All the samples are thoroughly packed in ice and brought by automobile to the laboratory and immediately analyzed.

As soon as results are obtained, reports of each analysis together with comments and advice for the individual dealers are sent to you for distribution.

IV. IMPROVEMENTS IN CLEANLINESS AND CARE IN HANDLING MILK

The "bacteria count", which means the number of bacteria per cubic centimeter, may be considered an index of cleanliness. Milk with a high bacteria count may be either dirty, or not fresh, or not properly cooled, or the high count may be due to any combination of these three causes. Fresh milk, produced in a sanitary manner and properly cooled should show a low bacteria count. Clean methods of producing and handling milk are more necessary than expensive or elaborate equipment. In selecting a milk supply cleanliness should be considered before food value.

Table I shows a comparison of the bacterial results obtained in 1916 with those of the preceding year. It will be seen that practically the same number of samples were analyzed in both years and that the record of 1916 shows a slight improvement over that of 1915, which in turn showed a marked improvement over 1914. In 1915, 34.8% of all the samples showed less than 10,000 bacteria per cubic centimeter. This percentage was improved in 1916 as showed by 42.9%. In both years the percentage of samples containing less than 20,000 was very gratifying. In general, the milk dealers are glad to co-operate with us in securing a clean supply for the city. The publication of results in the papers, and personal rivalry prompt each man to do his best.

Melrose has established 500,000 bacteria per cubic centimeter as a maximum limit over which milk is rated as very poor or bad, from a health standpoint. Here again 1916 shows a slight improvement over 1915 in that almost 96% were found to be within the limit set by the city. It is to be hoped that another year will show still greater achievements in this respect.

Table I
RESULTS OF BACTERIOLOGICAL EXAMINATIONS OF MILK
1915 AND 1916

Bacteria per cubic centimeter	1915		1916	
	No. of Samples		No. of Samples	
	No.	%	No.	%
Below 10,000.....	124	34.8	142	42.9
10,000 to 20,000.....	40	11.2	40	12.1
20,000 to 50,000.....	78	21.9	48	14.5
50,000 to 100,000.....	48	13.5	37	11.2
100,000 to 500,000*.....	48	13.5	50	15.1
Total No. samples under 500,000*.....	338	94.9	317	95.8
500,000 to 1,000,000.....	7	2.0	9	2.7
1,000,000 to 5,000,000.....	9	2.5	4	1.2
Above 5,000,000.....	2	.6	1	.3
Total No. samples above 500,000*.....	18	5.1	14	4.2
Total No. samples collected.....	356	100.	331	100.
Extra regular and special samples.....			23	
Grand total samples collected.....	356		354	

*Maximum count allowed by Board of Health is 500,000.

The records of individual dealers are given below in terms of the median of the bacteria counts. This resembles the average, and is the middle number selected when all the bacteria counts are arranged in order of size.

Table II
MILK ANALYSIS

Medium Number of bacteria per cubic centimeter for each dealer 1916.

Dealer	Median No. Bacteria	
	per cubic Centimeter	No. of Samples
Alley's Lunch.....	160,000	1
Atwood, F. C.....	87,000	12
Baby Milk Station.....	500	3
Bloss, W. C.....	3,300	12
Bucci, Alexander.....	45,000	11
Burns, Mrs. Mary.....	30,000	11
Chisam, S. A.....	38,000	12
City Farm.....	2,500	12
Dunn, W. F.....	5,300	6
Fleming, R. P.....	7,500	1
Forbes Bros.....	35,000	12
Friend Bros.....	67,000	6
Goldsmith, G. B.....	26,000	12
Gittes, Harry.....	2,500	12
Hood, H. P. & Sons.....	83,000	12
Howard Farm.....	17,000	12
Leach, F. N.....	7,000	12
Levy, George.....	46,000	12
Luce, R. A.....	95,000	12
Manning, J. S.....	11,000	12
Marble, W. H.....	2,800	2
Marshall, E. B.....	14,000	11
Munn, T. J. & Co.....	10,000	12
Murphy, J. W.....	31,000	6
Outram, A. W.....	7,500	12
Penney Farm.....	40,000	12
Quinn, M. J.....	11,000	12
Roulston, R. R.....	21,000	12
Sellers, F. W.....	8,500	2
Smith, A. M.....	3,300	12
Spratt, Mrs. Abbie.....	3,300	12
Sturges, Dr. F. P.....	43,000	2
Turner Centre Cr. Co.....	110,000	12
Varley Lunch.....	450,000	2
Wilkinson, B. E.....	2,000	1
Whitford & Brown.....	86,000	4
Whiting, D. & Sons.....	47,000	12

A more accurate method of rating milk supplies is given in Table III, which shows the months during which the bacteria counts of individual dealers fell within certain limits which may be described as excellent, very good, good, fair, poor and bad.

Table III

NUMBER OF MONTHS DURING WHICH THE BACTERIA COUNTS
OF INDIVIDUAL MILK DEALERS FELL WITHIN CERTAIN LIMITS

Dealer	No. of Months	Exc	V. Good	Good	Fair	Poor	Bad
		Below 10,000 20,000	10,000 to 50,000	20,000 to 50,000	50,000 to 100,00	100,000 to 500,000	Over 500,000
Alley's Lunch.....	1	—	—	—	—	1	—
Atwood, F. C.....	12	3	1	1	1	5	1
Baby Milk Station...	3	3	—	—	—	—	—
Bloss, W. C.....	12	8	1	1	1	1	—
Bucci, Alexander....	11	3	1	2	1	4	—
Burns, Mrs. Mary....	11	3	2	1	2	1	2
Chisam, S. A.....	12	2	1	5	—	3	1
City Farm.....	12	10	2	—	—	—	—
Dunn, W. F.....	6	5	—	—	—	1	—
Fleming, R. P.....	1	1	—	—	—	—	—
Friend Bros.....	6	—	—	2	2	2	—
Forbes Bros.....	12	5	1	1	4	1	—
Goldsmith, G. B.....	12	4	1	6	1	—	—
Gittes, Harry.....	12	9	2	—	1	—	—
Hood, H. P. & Sons...	12	1	1	2	2	5	1
Howard Farm.....	12	6	—	3	2	1	—
Leach, F. N.....	12	8	1	1	1	—	1
Levy, George.....	12	3	1	2	1	4	1
Luce, R. A.....	12	—	—	4	3	4	1
Manning, J. S.....	12	6	3	—	1	1	1
Marble, W. H.....	2	2	—	—	—	—	—
Marshall, E. B.....	11	5	2	3	—	1	—
Munn, T. J. & Co....	12	6	4	—	—	1	1
Murphy, J. W.....	6	1	—	3	—	1	1
Outram, A. W.....	12	7	3	2	—	—	—
Penney Farm.....	12	3	2	1	2	3	1
Quinn, M. J.....	12	6	4	—	1	1	—
Roulston, R. R.....	12	3	3	2	2	2	—
Sellers, F. W.....	2	1	1	—	—	—	—
Smith, A. M.....	12	12	—	—	—	—	—
Spratt, Mrs. Abbie...	12	10	1	—	1	—	—
Sturges, Dr. F. P....	2	1	—	—	1	—	—
Turner Center Cr Co..	12	1	1	2	2	4	2
Whitford & Brown...	4	1	—	—	1	2	—
Wilkinson, B. E....	1	1	—	—	—	—	—
Whiting, D. & Sons...	12	2	1	4	4	1	—
Totals.....	331	142	40	48	37	50	14

V. FOOD VALUE OF THE MILK

The food value of milk is expressed in the percentage of butter fat and the percentage of total solids (all of the milk except the water naturally contained in it). The State Law requires that all milk shall contain at least 3.35% butter fat and 12.15% total solids. Table IV below shows the average chemical analyses of each dealer for the year, expressed in percent fats and percent total solids.

Respectfully submitted,

HENRY E. BERGER, Jr.,

Milk Inspector

Table IV
MILK ANALYSES

Average Percentage of Butter Fats and total Solids for Each Dealer

Dealer	% Fat	% Solids	No. of Months
Alley's Lunch.....	3.0	11.6	1
Atwood, F. C.....	3.9	12.4	12
Baby Milk Station.....	3.7	12.2	3
Bloss, W. C.....	3.6	12.1	12
Bucci, Alexander.....	3.8	12.5	11
Burns, Mrs. Mary.....	3.9	12.4	10
Chisam, S. A.....	3.7	12.4	12
City Farm.....	3.8	12.5	12
Dunn, W. F.....	5.4	14.5	5
Fleming, R. P.....	3.8	12.3	1
Forbes Bros.....	4.0	12.7	12
Friend Bros.....	3.7	12.4	6
Goldsmith, G. B.....	3.9	12.9	11
Gittes, Harry.....	3.8	12.8	12
Hood, H. P. & Sons.....	3.6	12.2	12
Howard Farm.....	4.0	12.8	11
Leach, F. N.....	4.5	13.2	11
Levy, George.....	3.7	12.4	12
Luce, R. A.....	3.7	12.6	12
Manning, J. S.....	4.1	13.1	12
Marble, W. H.....	4.1	13.1	2
Marshall, E. B.....	4.0	12.9	11
Munn, T. J. & Co.....	4.1	13.0	12
Murphy, J. W.....	3.8	12.1	6
Outram, A. W.....	4.3	13.0	12
Penney Farm.....	3.8	12.1	12
Quinn, M. J.....	3.7	12.5	12
Roulston, R. R.....	3.8	12.6	12
Sellars, F. W.....	3.8	12.5	2
Smith, A. M.....	3.9	12.5	12
Spratt, Mrs. Abbie.....	4.3	12.1	12
Sturges, Dr. F. P.....	4.8	13.8	1
Turner Center Cr. Co.....	3.9	12.7	12
Varley Lunch.....	3.6	12.1	2
Wilkinson, B. E.....	5.6	13.6	1
Whitford & Brown.....	3.5	12.1	4
Whiting, D. & Sons.....	3.8	12.4	12
State Chemical Standard requires.....	3.35	12.15	

Report of the Public Health Nursing Service

DISPENSARY

During the year we have had eleven patients under the care of the Dispensary and a visiting list of twenty-five; six of these are at present considered arrested cases; twenty-six, who were known to have been in contact with tuberculosis were examined through the Dispensary and two were found to be incipient cases; with supervision in the home these are now considered arrested cases. One hundred sixty-eight visits of supervision and instruction have been made at the homes during the year.

During the month of December the sale of the Red Cross Christmas Seals was enthusiastically taken up by the school children and three hundred dollars was raised for our local Tuberculosis Fund. We feel that this is valuable as a means of education as well as a method of raising money.

PUBLIC SCHOOLS

Although the school work was begun during the latter part of 1915; little, except for short health talks, which were given in the class room, was accomplished until the beginning of 1916, when the regular class room inspection was taken up. Each school was visited at least once a week. We have also carried out the plan, as far as possible, of visiting each child who has been absent from school more than one day. This not only tends to prevent unnecessary absences, but puts in our hands valuable means of preventing and controlling unnecessary sickness. If a child is sent home the same method is carried out. Frequently we find other members of the family who are not in school also needing treatment.

The causes for which children are most often sent home, except during epidemics, are pediculosis, impetigo, scales, sore throat and colds.

In the past year an increasing interest in the care of neglected teeth have been noticed among the children. We have recorded over 250 pupils who have had repair work done this year, who have never visited a dentist before. During our regular inspections we have found so many children from eight to ten years old with their six-year molars gone or past repair that we are giving a good deal of time to the primary grades. We hope with the assistance of the Free Dental Clinic that much valuable preventive work will be done during the coming year.

One boy who was badly crippled by infantile paralysis and was rather a problem in the school, has been admitted to the Grade School for Crippled Children in Boston where he is receiving treatment and learning a trade.

INFANT WELFARE

During the year the Baby Conferences have been held each week and a prenatal clinic has been carried on with it.

Through July, August and September a Milk Station was established in Memorial Building where pasteurized milk could be bought at a nominal cost. Special formulae were prepared at the station for babies under the care of the family physician and the mothers were given instruction in the care of milk as well as the care of babies. Fifteen babies were daily supplied with milk. We feel that this is the best means of carrying on educational and preventive work and the result seems to warrant its continuance.

When our Baby Conference was established in 1915 we had thirteen babies enrolled, most of whom had been discharged from the hospital after weeks of sickness or had been sick at home. During the summer of 1916 we not only had no sickness among our babies enrolled at the Station, but they each showed a surprising increase in weight through the hot weather, even those who had not been doing well before. Furthermore, we had no sick babies brought to the hospital.

Over three hundred visits have been made at the homes during the year; one hundred thirty have been made where nursing care was needed, as instruction in the care of infected eyes, the care of new-born babies, and supervision of work of the district nurse.

Respectfully submitted,

J. M. IRVING,

Public Health Nurse.

Report of Overseers of the Poor

*To the Honorable Mayor and Board of Aldermen,
City of Melrose.*

Gentlemen:—The Board of Overseers of the Poor herewith submits its annual report for the year ending December 31, 1916.

PARTIAL SUPPORT

Individuals aided.....	354
Adults.....	133
Children.....	221
Having settlement in Melrose.....	227
Having settlement elsewhere in State.....	101
Having no known settlement.....	26
Families aided.....	94
Having settlement in Melrose.....	68
Having settlement elsewhere in State.....	19
Having no known settlement.....	7

FULL SUPPORT

Supported at City Home.....	13
Children boarded by State.....	8
Deaths at City Home.....	1
Cases admitted during year.....	5
Cases discharged.....	6
Remaining at City Home January 1, 1917.....	6
At Massachusetts Hospital School.....	1

APPROPRIATIONS

General administration.....		\$1,050.00
Almhouse.....	\$2,800.00	
Special appropriation.....	100.00	
Transfer from "Outside Relief by City".....	358.44	3,258.44
Outside Relief by City.....	3,000.00	
Less amount transferred to "Alm house".....	358.44	
Less amount transferred to "Relief by Other Cities".....	500.00	
Less amount transferred to "Mothers' Aid".....	300.00	1,841.56
Relief by Other Cities and Towns.....	2,500.00	
Transfer from "Outside Relief by City".....	500.00	3,000.00
Mothers' Aid.....	3,500.00	
Transfer from "Outside Relief by City".....	300.00	3,800.00

Receipts

Almshouse.....	\$1,265.95
Reimbursements.....	1,895.34

Expenditures

General Administration.....	\$991.00
Almshouse.....	2,987.67
Outside Relief by City.....	1,841.56
Relief by Other Cities and Towns.....	3,075.92
Mother's Aid.....	3,685.56

Eleanor Brown Toothaker Fund

Balance January 1, 1916.....	\$1,429.93
Interest.....	57.19
	\$1,487.12
Expended 1916.....	12.93
Balance December 31, 1916.....	\$1,474.19

GENERAL ADMINISTRATION**Expenditures**

Salary of clerk.....	\$309.52
Telephone.....	43.99
Postage and stationery.....	17.72
Office furnishing.....	15.91
Reports.....	3.86
Total.....	
	\$391.00

ALMSHOUSE**Expenditures**

Salary of Superintendent and Matron.....	\$500.00
Outside labor at farm.....	120.61
Food.....	697.99
Fuel.....	170.88
Telephone.....	22.13
Grain.....	496.81
Electricity.....	20.50
Clothes.....	17.05
Repairs and improvements.....	280.33
Equipment.....	187.48
Ice.....	54.28
Medicine.....	16.58
Horse shoeing.....	31.73
Water.....	84.09
Cows.....	235.00
Seeds.....	21.00
Sundries.....	31.21

Total.....		\$2,987.67
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OUTSIDE RELIEF BY CITY

Expenditures

Food.....	\$611.33	
Fuel.....	261.93	
Clothes.....	10.75	
Medicine.....	60.95	
Cash.....	484.00	
Board.....	111.20	
Rent.....	203.90	
Burials.....	54.00	
Investigating.....	.55	
Transportation.....	25.50	
Equipment.....	2.75	
Nurse.....	5.00	
Totals.....		\$1,831.86
1915 Deficiency.....		9.70
		\$1,841.56

RELIEF BY OTHER CITIES AND TOWNS

Expenditures

Board in Institution.....	\$208.21	
Board in Hospital.....	444.00	
Food.....	767.41	
Fuel.....	89.95	
Medicine.....	18.01	
Cash.....	733.80	
Burial.....	20.00	
Clothing.....	4.50	
Board of children.....	790.04	
Transportation.....	3.00	
Total.....		\$3,075.92

MOTHERS' AID

Expenditures

Cash.....	\$2,747.50	
Food.....	434.00	
Rent.....	84.00	
Clothing.....	6.25	
Medicine.....	10.35	
Sundries.....	18.80	
Cash outside city.....	384.66	
Total.....		\$3,685.56

There have been aided by the department during the year, 354 persons—133 adults, 221 children (94 families).

The principal reason for granting aid in many cases is the fact that in most of the families are young children. It has been the rule and practice of the Board not to send families or those with young children to the City Home, as we deem it for the best interests of the child and of the city that it should be given an opportunity to become self supporting.

It has been the purpose of this Board to consider the giver of aid, the tax payer, as well as the receiver and while it has been our aim to aid the worthy and prevent suffering, an effort has been made to investigate as fully as possible all requests for assistance and to oblige those able to work, to support themselves to the fullest extent. To discriminate between the worthy and unworthy, who apply for aid, and to successfully prevent the increase of pauperism, is, indeed, a perplexing problem which can be solved only by constant watchfulness, experience, and an intimate knowledge of all conditions, on the part of the officials of the Charity Department.

While the amount of outside relief in the city during the summer was quite low, all families felt the increasing cost of food and price of fuel. The demand for these necessities increased greatly with the coming of cold weather.

The Board has also among its charges eight children under the age of ten years. Other children are in the care of the Board from time to time. One child is in the State Hospital at Canton.

We have had under Chapter 763, Acts of 1913, "an act to provide for suitably aiding mothers with dependent children under 14 years of age", thirteen cases of Mothers' Aid.

These cases have been quite an item, but we think the results justify the expenditures. After two full years' trial of this law we are justified in the opinion that in all cases it is a genuine help and prevents a great deal of suffering and hardship. We are constantly in touch with these families we are aiding as the law requires that each family be visited as often as four times a year.

Increase of these cases, however, makes it inevitable that we ask for a larger appropriation.

During the year we have had at the City Farm thirteen inmates, six cases of which have been discharged. Old age and sickness having incapacitated the remaining inmates, and with the increased cost of grain and food supplies, the running expenses are, of course, larger than for normal board.

Owing to weather conditions, the amount received from the sale of produce was abnormally low, but about eighty bushels of potatoes were raised for farm use and sale, together with an amount of hay. All eggs and a large amount of the milk produced were sold to the Melrose Hospital. The standard of the milk supply has been of the highest, and has been commended by the Inspection Authorities.

At the present time there are three cows and a two-year old heifer, which was born there, at the City Farm.

The Home has been made more comfortable by the purchase of linoleum for halls and dining room. With the aid of new farming implements, weather permitting, even greater results are expected for the year 1917.

These expenditures do not include any of the Christmas dinners, which were contributed wholly by outside benevolent orders and individuals. The city poor were also greatly aided by donations of money and contributions of clothing during the winter.

The members of the Board invite the co-operation of all citizens who are willing to contribute either money, food, clothing or furniture for families in need, and especially in aid of families who in time of sickness or misfortune may by private relief, be prevented from becoming public charges.

We would express our appreciation for the work and services rendered by the City Physician in co-operation with this Board.

The Melrose Hospital has also rendered valuable service to our outside poor and inmates of the City Farm during the past year.

In presenting this report for 191 we wish to express our appreciation for the uniform courtesy of the Mayor and the Board of Aldermen.

Respectfully submitted,

ADALINE G. REED
BERTRAM E. LOVEJOY
THOMAS F. TROY

Overseers of the Poor

Report of City Physician

To the Honorable Mayor and Board of Aldermen, City of Melrose:—

Gentlemen:—I send you herewith the eleventh annual report of the City Physician for the year ending December 31, 1916.

Visits made for the Charity Department:

At the City Home.....	25	
To patients in their homes.....	193	218
Office calls.....	132	

Visits made for the Health Department:

To patients in their home	34	
To patients in hospitals.....	2	
Visits of inspection and consultation.....	101	137

Office treatment for pupils of the public schools.....	54	
Visits for the Police Department.....	6	
Examinations by order of the Mayor.....	1	
Vaccinations.....	71	

Respectfully,

CLARENCE P. HOLDEN,
City Physician.

Report of the Police Department

January 19, 1917

To the Honorable Charles H. Adams, Mayor, and the Members of the Board of Aldermen of the City of Melrose.

Gentlemen:—In compliance with Chapter 33 of the ordinances of this city I respectfully submit the following report of the Police Department for the year 1916:

FINANCIAL

Appropriation:

Salaries and wages.....	\$18,335.41	
Expenditures.....	18,049.96	
Balance.....		\$285.45

Appropriation:

Other expenses.....	\$300.00	
Transfer.....	120.00	
Transfer.....	50.00	
	\$470.00	
Expenditures.....	468.30	
Balance.....		1.70

Appropriation:

Equipment and repairs.....	\$350.00	
Transfer.....	\$120.00	
Transfer.....	50.00	
Transfer.....	20.00	
	190.00	
	160.00	
Expenditures.....	118.91	
Balance.....		41.09

Appropriation:

Horses and care of same.....	425.00	
Transfer.....	20.00	
	445.00	
Expenditures.....	443.76	
Balance.....		\$1.24

Offences for which complaints have been made in Court.....135

MISCELLANEOUS REPORT

Accidents reported.....	17
Animals killed.....	36
Arrests for out of town officers.....	2
Articles found and returned to owners.....	16
Automobiles stopped and warned.....	27
Board of Health notices served.....	12
Boys throwing stones in streets warned.....	17
Boys playing ball in streets warned.....	15
Buildings and houses specially protected.....	6
Cases and complaints investigated.....	213
Dangerous poles reported.....	3
Dead body found.....	1
Defects in streets reported.....	27
Defects in sidewalks reported.....	6
Disturbances suppressed.....	6
Doors and windows found open and secured.....	77
Dynamite discovered and taken care of.....	1
Electric and telephone wires burning trees.....	6
Electric and telephone wires reported down.....	2
Fire alarms attended by officers.....	22
Fires extinguished without giving alarm.....	4
Gas leaks reported.....	3
Houses found vacant.....	5
Incandescent and arc lights reported out.....	171
Insane committed.....	7
Investigation of jurymen.....	42
Lost children found and returned home.....	3
Letters delivered for City Clerk.....	2,000
Leaks in water pipes reported.....	8
Lanterns hung in dangerous places.....	21
Lights found burning and extinguished.....	2
Miscellaneous notices served.....	14
Notices delivered for police of other cities and towns.....	8
Obstructions removed from streets.....	2
Persons assisted home.....	5
Street signs reported down.....	11
Summonses served.....	14
Stray dogs returned to owners.....	2
Trees reported down.....	3
Value of property recovered and returned.....	\$378.50
Duty calls by officers from boxes (Jan. 1, 1916 to Jan. 1, 1917)....	34,032
Telephone calls from boxes (Jan. 1, 1916 to Jan. 1, 1917).....	3,098
Wagon calls from boxes (Jan. 1, 1916 to Jan. 1, 1917).....	16
Wagon calls other than from boxes.....	22
Ambulance calls other than from boxes.....	156

Respectfully submitted,

GEORGE E. KERR,

Chief of Police

Annual Report of the Chief Engineer of the Fire Department

*To the Honorable Mayor and Board of Aldermen,
City of Melrose, Mass.*

Gentlemen:—I respectfully submit the report of the Fire Department for the year ending December 31, 1916.

ORGANIZATION

The number of companies is as follows:—Engine Co. No. 1; Hose Co. No. 4; Combination A; Auto Hook and Ladder No. 1.

MANUAL FORCE

The permanent force consists of:—2 Captains; 1 Lieutenant; 1 Chauffeur and Mechanic; 1 Engineman; 6 Drivers.

The call force consists of:—Chief Engineer; Deputy Chief; 29 Call Men.

APPARATUS

1 Steam Fire Engine; 2 Auto Combinations Chemical and Hose; 1 Hose Wagon; 1 new Auto Hook and Ladder Truck; 1 Exercise Wagon; 3 Pungs; 1 Chief's Auto; 1 Spare Hook and Ladder Truck; 1 Spare Hose Wagon; 10 Chemical Extinguishers.

HORSES

There are 5 horses in the Department. Two horses were sold to the Public Works Department for \$300.00.

HOSE

There is 6,150 feet of hose in good condition. There is 150 feet of hose in poor condition.

FIRES

The Department answered 48 Bell Alarms and 72 telephone and other calls for fires during the year, with the following results:

In buildings and contents valued at.....	\$172,365.00
The Fire Loss was.....	8,263.00
Insurance on buildings and contents.....	166,700.00
Insurance paid on buildings and contents.....	7,271.40

FIRE STATIONS

The Stations are in good condition, with the usual exception of the Station at the Highlands. A new station is much needed in that section of the city.

The value of personal property of the Department \$28,809.15

Yours truly,

JOSEPH EDWARDS,
Chief Engineer.

Report of Park Commissioner

To the Honorable, the Mayor and Board of Aldermen of the City of Melrose.

Gentlemen:—In compliance with the provisions of Section 13, Chapter 28, of the Revised Laws, the Board of Park Commissioners herewith presents its seventh annual report.

The following will give in detail the appropriation and expenditures for maintenance and improvements of the parks, also the bath house at Ell Pond:

APPROPRIATIONS FOR 1916 Divided as Follows

Parks, General Administration:

Salaries and wages.....	\$50.00	
Other expenses.....	100.00	
Electric lighting.....	252.00	
		\$402.00

Parks and Gardens:

Salaries and wages.....	\$1,000.00	
Transfer from Playgrounds—salaries and wages...	6.00	
Improvements.....	750.00	
Other expenses.....	200.00	
Transfers from various accounts.....	73.10	
		2,029.10

Playgrounds:

Salaries and wages.....	\$50.00	
Improvements.....	400.00	
Transfer from Parks and Garden Improvements...	100.00	
Other expenses.....	50.00	
		\$600.00

Bath-houses and Beaches:

Salaries and wages.....	\$350.00	
Improvements.....	25.00	
Other expenses.....	25.00	
		\$400.00
		\$3,431.10

EXPENDITURES IN THE VARIOUS ACCOUNTS

Parks, General Administration:

Salaries and wages, appropriation.....	\$50.00	
Salary of clerk.....		50.00

Parks, General Administration—Other Expenses:

Appropriation.....	\$100.00	
Lighting appropriation.....	252.00	
		\$352.00

Postage.....	\$13.72	
Dennison Manufacturing Co., envelopes.....	2.22	
Free Press, advertising.....	3.00	
Geo. B. Dodge Co., printing report, bal.....	6.25	
Geo. B. Dodge Co., printing 1916 report.....	45.00	
Geo. E. Damon & Co., office supplies.....	15.20	
Transfer to Street Lighting appropriation.....	252.00	
Balance.....	14.61	
		\$352.00

Parks and Gardens, Salaries and Wages:

Appropriation.....	\$1,000.00
Transfer from Playgrounds, salaries and wages.....	6.00
Transfers from various accounts.....	231.02
	\$1,237.02

Expended:

Pay rolls, labor.....	\$649.86
Pay rolls, police Sundays, evenings and concerts ..	117.30
Balance.....	469.86
	\$1,237.02

Parks and Gardens, Improvements:

Appropriation.....	\$750.00
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Expended:

C. L. Hoffman & Son, stock and labor.....	65.60
W. Sandilands, stock and and labor.....	63.78
Haymarket Hardware Co., hardware.....	8.30
Breck & Son, grass seed.....	5.15
Frank E. Coyle, hardware.....	12.00
C. Hennecke, lawn seats, one dozen.....	21.00
Boston & Maine, freights \$3.86, Cinders \$60.....	63.86
Public Works Department, steam roller.....	11.43
Deering Lumber Co.....	.54
Benson Coal Co., cement and sand.....	2.75
A. M. Tuttle & Co., trees and shrubs.....	79.15
Harry S. Robertson, painting iron fence.....	20.00
Casey Florist Co., peonies and bulbs.....	58.00
Transfer to Parks and Gardens, other expenses.....	53.10
Transfer to Playgrounds, Improvements.....	100.00
Transfer to Parks and Gardens, salaries and wages...	185.34
	\$750.00

Parks and Gardens—Other Expenses:

Appropriation.....	\$200.00
Transfer from Parks and Gardens, Improvements...	53.10
Transfer from sale of hay.....	15.00
Transfer from Playgrounds, improvements.....	5.00
	\$273.10

Expended:

Geo. Newhall & Co., rubber boots.....	\$4.75	
Geo. DeCost, gypsy moth work.....	45.50	
H. A. Robertson, painting flag-pole and lowering top mast.....	85.00	
Deering Lumber Co.....	6.60	
H. A. Wheeler & Co., flag.....	40.80	
Houghton & Dutton, shrubs.....	12.30	
Frank E. Coyle, hardware.....	27.89	
Perry & Marston, hardware.....	2.73	
Harrington, King & Co., rope.....	2.48	
Winthrop stables, horse and team.....	4.00	
Eastman's Express.....	.40	
R. S. Ward, teaming.....	7.00	
Wright & Ditson, home plate.....	5.00	
Casey Florist Co., plants.....	14.00	
W. S. Stanley, badges swimming match.....	9.45	
Malden Electric Co.....	2.60	
Twombly's Express.....	.75	
Pratt's Express.....	.25	
R. M. Horne, electric work.....	.82	
Bugbee & Barrett, spraying material.....	.40	
Transfer to P. and G. salaries and wages.....	.38	
		\$273.10

Playgrounds, Salaries and Wages:

Appropriation.....	\$50.00
Expended:	
Pay rolls for caretaker.....	21.00
Transfer to Parks and Gardens, salaries and wages.....	29.00
	\$50.00

Playgrounds, Improvements:

Appropriation.....	\$400.00
Transfer from Parks and Gardens, Improvements....	100.00
	\$500.00

Expended:

C. L. Hoffman & Son, stock and labor.....	\$369.05	
Joseph Edwards, labor.....	.50	
Wright & Ditson, playground apparatus.....	31.39	
Narragansett Machine, playground apparatus....	36.50	
Braman, Dow & Co., pipe.....	5.76	
Benson Coal Co., sand.....	5.65	
W. Sandilands, stock and labor.....	40.92	
Frank E. Coyle, wire for back stop.....	10.00	
Transfer to Parks and Gardens, salaries and wages.....	.23	
		\$500.00

Playgrounds, Other Expenses:

Appropriation.....	\$50.00
Expended:	
Joseph Edwards, stock and labor.....	\$2.10
American Express Co.....	1.05
H. M. Ripley, first aid supplies.....	.48
M. B. Marston & Co., hardware.....	14.90
C. L. Hoffman & Son.....	.72
Balance.....	30.75
	\$50.00

Bath-houses and Beaches, Salaries and Wages:

Appropriation.....	\$350.00
Expended, pay rolls for caretaker and assistant	350.00

Bath-houses and Beaches, Improvements:

Appropriation.....	\$25.00
Expended:	
Harrington, King & Co., rope.....	\$8.10
Deering Lumber Co.....	.84
Transfer to Parks and Gardens, salaries and wages	16.06
	\$25.00

Bath-houses and Beaches, Other Expenses:

Appropriation.....	\$25.00
Expended:	
W. Sandilands, stock and labor.....	\$7.00
Perry & Marston Co., hardware.....	5.60
Frank E. Coyle, hardware.....	2.64
Malden Electric Co.....	1.90
Haymarket Hardware Co., hardware.....	7.85
Transfer to Parks and Gardens, salaries and wages	.01
	\$25.00

Horace Mann Park:

Appropriation.....	465.00
Appropriation.....	500.00
	\$965.00

Expended:

Houghton & Dutton, shrubs.....	\$3.00
Joseph Edwards, stock and labor.....	3.00
C. L. Hoffman & Son, stock and labor.....	571.79
W. Sandilands, stock and labor.....	70.45
A. M. Tuttle & Son, trees and shrubs.....	40.00
W. C. Stevens, surveying.....	25.00
P. W. Department, water service and pipe.....	54.46
W. J. Drummond, plans.....	5.50
Frank E. Coyle, hardware.....	10.45
Casey Florist Co., plants and shrubs.....	171.57
Brock Bros., stock and labor.....	9.78
	\$965.00

MAINTENANCE

The care of the several park areas as the improvements are completed, necessarily become more expensive. The experiment was tried during the year of having a permanent man as a caretaker, the result however was rather unsatisfactory as a whole. During the summer season when constant and prompt care is needed, the work is too much for one man, especially when it is necessary to transport heavy tools, etc., from one place to another.

For the coming summer the maintenance charge will be greater than last year by reason of the addition of Horace Mann Park to the already completed park area.

ELL POND PARK.

During the year only minor improvements have been made here. Early in the spring additional shrubs were set out around the Shelter on the Knoll, and several of the walks resurfaced.

North of the Boulevard there has been excavated a considerable area to a depth of about three (3) feet below the surface, which will provide room for extending the dump for ashes.

This fill will eventually be covered by the material originally removed.

ELL POND EMBANKMENT

Some small improvements have been made here, additional shrubs have been set out, walks and gutters repaired, fence painted, and flower bulbs planted for the coming spring.

The acquisition for park purposes of the remaining ice houses on Main street by the city, in its acceptance of the offer of Messrs. Slayton and Maguire, will add still further attractions to the Lake frontage.

Plans have not been fully developed as yet for this location, but for a comparatively small sum this area can be made a very pleasing addition to our park system. It is hoped that the necessary appropriation may be made and the work completed during the coming season.

SEWELL WOODS PARK

Very little was done on this area during the year, some more active work should be entered upon here in the coming summer.

MELROSE COMMON

A thoroughly well constructed base ball diamond was built here in the spring, this had added greatly to the interest of the games, and the ball field has been used more than ever before, there being keen rivalry for the use of the field on Saturdays and holidays.

In this connection the Commission desire to have it understood that the field is for the use of all, it is not their intention to grant the use of it to any organization for extended periods to the exclusion of others. So far as is consistent with fairness to everyone, permits are issued in time for clubs to make all necessary arrangements for games in advance.

HORACE MANN PARK

Early in the season work was begun on the site of the old Horace Mann School to put it in shape for a combination recreation park and public garden.

The money available, viz. \$465 would not permit of the completion of this work as planned, and an additional sum of \$500 was appropriated.

The results obtained with this money have been sufficient to make a very attractive and popular park of this spot.

Substantial walks have been constructed of crushed stone on cinder foundation.

Seettes were placed under the trees facing Grove Street, a hedge of California privet set out on the street sides of the park, and an arbor vitae hedge on the north side.

Hardy perennials were planted in suitable locations, and an ornamental flower bed of considerable size laid out near the center of the park.

At the junction of the diagonal walks a rockery and fountain have been built, city water piped into it and a suitable drain laid.

For the coming spring there have been planted a large number of tulips, hyacinth, crocus and narcissus bulbs.

The care of this park to keep it in proper condition will be quite expensive, but the enjoyment it gives to our people who pass by or through it daily will amply repay any such expenditure.

BOULEVARD

It is to be regretted that the question of acquiring land for the proposed boulevard from Melrose Street to Franklin Street could not have been submitted to the people for their decision, especially when such favorable terms could have been obtained.

The options so laboriously obtained and on such favorable terms to the city, ought not to lapse without some further effort on the part of the citizens to avail themselves of this opportunity.

The great majority of the options will not expire until July 1, 1917.

The Commission is of the opinion that the construction of this boulevard would be one of the greatest improvements Melrose has had in twenty years.

BATH HOUSE

The bath house continues to be as popular as ever, during the year 11,539 bathers took advantage of its facilities, 7,463 of whom were men and boys, and 4,076 women and girls.

The increasing number of bathers taxes the bath house to the utmost, and larger quarters are needed.

Mr. Forrester Pierce was in charge of the bath house and was assisted by Mr. Joseph H. Fahey.

PLAYGROUNDS

The playground at the Common and Ell Pond Park have been supervised during the season by teachers generously provided by the Community Associates.

These supervisors were on the ground from 9 a.m. until 5 p.m. and the very favorable comment received by members of the Commission as the result of their work, attests their value.

Some new pieces of apparatus have been purchased, as suggested by the Playground Association, and more is desired.

The thanks of the Commission are given for the good work done by these supervisors, and extended to those of our citizens who so generously contributed towards their support, that the children might be safeguarded and taught in their games.

In the coming year we recommend an appropriation of \$250 to carry on this work as begun.

RECOMMENDATION

The Commission is desirous of completing the work as laid down in its original plan for the development of the park system, to do this economically requires a substantial appropriation, so that in so far as possible, complete and permanent work can be carried out each season.

For this reason we again renew our recommendation to secure a legislative act authorizing the issue of \$100,000 on bonds, with the permission to expend \$20,000 each year for such improvements as may be deemed best.

For the improvements of the Slayton and Maguire ice house property and Ell Pond embankment we recommend the proceeds of the sale of material in said ice houses and other buildings on the property, and a sum sufficient to make a total of \$5,000.

For the care and maintenance of Parks and general administration we recommend the appropriation of \$3,270 including electric lighting appropriation for park system, divided as follows:

Parks, General Administration:	
Salaries and wages.....	\$50.00
Other expenses.....	100.00
Electric lighting.....	270.00
	\$420.00
Parks and Gardens:	
Salaries and wages.....	\$1,000.00
Improvements.....	750.00
Other expenses.....	200.00
	\$1,950.00
Playgrounds:	
Salaries and wages.....	\$250.00
Improvements and additions.....	200.00
Other expenses.....	50.00
	\$500.00
Bath-houses and Beaches:	
Salaries and wages.....	\$350.00
Improvements.....	25.00
Other expenses.....	25.00
	\$400.00
	\$3,270.00

Respectfully submitted,
 CLARENCE T. FERNALD, *Chairman*
 ADDISON L. WINSHIP
 GEORGE J. FOSTER
 HARRY N. VAUGHN
 ROBERT A. PERKINS

Twelfth Annual Report of Trustees of Pine Banks Park

The year 1916 has proved to be one of great activity at the Park.

One hundred and thirty-six permits have been given out for the use of the base ball park. The Melrose High School have made use of the park for all home and practice games of football or baseball.

The Boy Scouts of Melrose and Malden held their Annual Field Day, May 11th, attendance about one thousand.

The City of Melrose held its Fourth of July Celebration on July 8th, consisting of athletic sports and band concert.

The Melrose and Malden Y. M. C. A.'s held religious services at the park from June 4th to August 20th.

The Citizens Committee of Melrose invited the Christian and Missionary Alliance to hold religious services August 15th and 16th and the meetings were largely attended.

The children of the Malden playgrounds held their annual outing at the park with an attendance of about fifteen hundred.

The Malden High School Girls' Hockey Team used the park more or less between October 11th and December 9th.

On one Sunday twelve hundred people were known to have visited the park between one o'clock and five o'clock p.m., five hundred seventy-nine from Malden and six hundred twenty-one from Melrose.

The land near the entrance to Melrose Cemetery has been improved by filling in and grading and some two hundred and twenty-five shrubs have been planted.

The low land south of Pine Banks Road has been filled in and soon will be laid out in flower beds. Thirty-eight hundred tulip bulbs have been planted and will add greatly to the beauty of the park in May. Some two thousand annual flowers are raised in hot beds in the early spring and transferred later to larger beds.

The Zoo has been the chief attraction as usual and the Trustees hope to be able to make some improvements the coming year.

The Trustees can see opportunities for improvements on every hand which cannot be carried out for want of ready funds. It is the aim of the Trustees to obtain the best results possible with the amounts received, but with a steady increase in expense, find it impossible to do more than keep the park in presentable condition.

The Trustees ask for an appropriation of fifteen hundred dollars from each city for the year 1917.

Respectfully submitted,

WM. D. SERRAT

EDWARD E. BABB

G. LOUIS RICHARDS

CHAS. M. COX

} Trustees
} Authorized

Report of Planning Board

Melrose, Mass., Dec. 31, 1916

To the Honorable, the Mayor and Board of Aldermen of the City of Melrose.

Gentlemen:—The Planning Board herewith submits its third Annual Report.

The city is to be congratulated that the petition by the Park Commission and Planning Board, with the co-operation of and contributions from private citizens, two great improvements, viz., Spot Pond and Ell Pond Brooks and Removal of Main Street Ice Houses, has been unanimously granted, and the necessary appropriation made by your Honorable Board with the approval of His Honor, the Mayor.

In another part of this report may be found a discussion of pertinent reasons for City Planning. Attention to the financial benefits that may be expected from the improvements authorized are here considered.

The estimated cost by the Planning Board for the improvement of Spot and Ell Pond Brooks, amounted to \$12,000.

Private contribution.....	\$4,800	
Bond issue.....	7,200	\$12,000
Ice House property on Main Street.....		\$11,000
Private Contribution.....	\$4,400	
Bond issue.....	6,600	
		\$11,000
Total expenditure.....		\$23,000
Total contribution.....	\$9,200	
Bond issue.....	13,800	
		\$23,000
Annual interest charge at 4 per cent on Bond Issue..		\$552.00

The damages awarded and recommended, plus legal expenses in connection with these brooks for the calendar year of 1916, are more than double the annual interest charge on the total bond issue for both the Ice House Property and Brooks.

There are forty-five different estates abutting Spot Pond Brook between Stoneham line and junction with the Ell Pond Brook, containing 908,242 square feet, and assessed as follows:

Building	Land	Total
\$80,400	\$45,675	\$126,075

Other properties in this vicinity that are unfavorably affected by the present and past condition of the Spot and Ell Pond Brooks, are assessed at upwards of one-half million dollars.

It is not claimed that this plan will do everything that former plans involving very large expenditures of money would do, but it is believed that it will approximate a solution of the problem, and excepting at times of unusual and continuous rains, prove to be a complete solution, provided the conditions contained in our 1915 Report are adhered to, which are as follows:—

CLEANING THE BROOKS

“The brooks should be kept clean for all time, and these recommendations are made contingent upon the Board of Aldermen making a sufficient annual appropriation for the cleaning and maintenance of the brooks.”

A removal of the offensive ice houses; the discontinuance of the distribution of much ice unfit for domestic use and the improved environment of all surrounding and in fact all property in Melrose;—these benefits are so apparent as to be obvious to all.

Taxes in Melrose will be no higher because of the cost of these improvements, but on the contrary aside from all other benefits, the carrying out of these plans must be of financial benefit to the community.

AN ACT RELATIVE TO BUILDING LINES IN CITIES AND TOWNS

On December 18, 1916, the Board of Aldermen enacted as follows:

“Be it ordered that the provisions of Section 103, Chapter 48, of the Revised Laws; and Chapter 572 of the Acts 1913, relating to the establishing of the building lines in a manner provided for the laying out of public ways, be and the same is hereby accepted.”

The acceptance of the provisions of this Act, places at the discretion of your Honorable Board, the authority for the prevention of the construction of garages or other buildings up to the sidewalk line, whenever in the judgment of your Honorable Board such construction shall be deemed detrimental to the best interests of the street and community.

“Section 103. If the City Council of a city or if a town accepts the provisions of this section or has accepted the corresponding provisions of earlier laws, a building line not more than forty feet distant from the exterior line of a highway or town way may be established in the manner provided for laying out ways, and thereafter no structures shall be erected or maintained between such building line and such way, except steps, windows, porticos and other usual projections appurtenant to the front wall of a building, to the extent prescribed in the vote establishing such building line, and except that buildings or parts of buildings existing at the time of the establishment of the building line may be permitted to remain and to be maintained to such extent and under such conditions as may be prescribed in the vote establishing such building line. Whoever sustains damage thereby shall have the same remedies therefor as for damages sustained by the laying out of a town way.”

CITY PLANNING

We shall mention only some of the broader aims which control city planning, but under these are included many, if not most of the more specific purposes which properly inspire and regulate civic action.

The first of these purposes is the preservation and the further development of the individuality of the city. Its history, its physical situation, the character of its population, and of its industries:—all these should be appropriately reflected in the city plan.

As our interest in human life is in the distinctly personal, so is our interest in the city. We should cherish a love for and pride in local achievements. Civic art furnishes the most available and most adequate means of expressing local customs and aspirations. In a word, we should frame an ideal of what we wish the city to be, and then make that one of the controlling purposes in the development of the city plan.

Another broad purpose that should control all city planning is a more sensitive regard for the common welfare. We need to make many improvements for the benefit and enjoyment of everybody, for the common good.

The creation of an advisory committee to promote the broader use of the Memorial building is in this line.

There is a striking contrast between American and European cities "Over there, they have improved, replanned and reconstructed their cities to meet the requirements of modern life. Acting with strong, well-regulated collective power, each city has provided facilities for wholesome physical exercise, for transportation, for good homes, for convenient opportunity to enjoy the beauty and the wonder of the nature world, and for a more intimate knowledge of noble examples of human life and beautiful products of human work. As a result of this sort of planning, fine city streets, orderly railroad approaches, beautiful public buildings, open green squares and plazas, ennobling statuary, convenient playgrounds, numerous parks, parkways and boulevards, art museums, theatres, opera houses and concert halls:—all these are so nearly free that they are easily available for all the people. To furnish advantages as these is one of the controlling purposes of city planning, for they not only provide wholesome recreation as a relief from the grind and fatigue of the day's work; they also make a definite and, in the long run, an indispensable contribution toward to-morrow's efficiency."

RECOMMENDATIONS

As a result of our studies, investigations and consultations with various authorities on the great problem of city planning, we would respectfully present the following recommendations:

Building Laws—Housing Problem

That our building laws be revised to conform to modern requirements for construction and housing.

We repeat what we said last year that "There is pressing need for intelligent revisions of our ordinances to correct existing housing conditions and arrest the general tendency of these conditions to become worse as the city increases in density of population."

This problem is not only one of the most important but the most difficult with which we have to deal. Our present ordinances only protect us against the worst forms of three-deckers, and leave us defenceless against the shack that shows a tendency to multiply in our more thinly populated sections.

We have no provisions to secure to all habitations proper ventilation and sanitation and adequate space to ensure air and light.

All modern cities are studying these problems, and various States, including our own, have commissions at work upon uniform housing codes. A Recess Committee of the Massachusetts Legislature is preparing to bring in a bill at the forthcoming session. Therefore, your Planning Board has delayed its action in the hope that during the coming year we may have a general code, prepared by experts, offered for our acceptance. Meanwhile, all good citizens should concern themselves with this matter, that we may have a public sentiment that will support the adoption and enforcement of such laws as may be made available by legislative action, or proposed as a part of our local ordinances.

PLAYGROUNDS

That the city immediately purchase at least two playgrounds and continue such purchases at the rate of one each year.

City Planning has thought for the children, and reserves spaces in every section of the city for playgrounds, for without a chance for play children will not grow as nature intended that they should.

It is a matter of regret that the city has not yet bought land for a single playground.

The thing that needs most to be understood about play is that it is not a luxury, but a necessity. It is not simply something that a child likes, it is something that he must have if he is to grow up strong in body, clear in mind, and clean in morals. The value of play in the development of children is being better understood, and our city should give its children a place for wholesome recreation properly supervised. The playground takes the child from the street and provides right environment.

Many, possibly most, of the offences of children in cities come from a natural desire for play, a desire which cannot be satisfied in the streets.

Statistics show that many inmates of juvenile reformatories might have escaped such a career had they had normal play experience. We are told that eighty per cent of all offences against society are committed during the leisure time of the people.

"Every city in our country spends a hundredfold more money for juvenile reform than is spent in providing means for public recreation, and few of us as yet see the folly and shame of it."

When the children are left out in the planning of our cities, when we close nature's path to the growing child, we make it almost certain that he will find some other path or cease to grow at all.

The argument that will be most strongly urged against providing playgrounds will be the matter of expense. But one thing is certain,—the expense will never be any less than it is now.

LINWOOD AVENUE

That the City adopt the Report of the Planning Board for the extension of Linwood Avenue, contained in our Annual Report for 1915, a copy of which follows:—

“The extension of Linwood Avenue from Grove Street northerly to East Foster Street, would materially shorten the distance to and from the thickly settled territory lying east and south of the line of proposed extension.

This together with the extension of Linwood Avenue at its southerly end, across Sylvan Street to the cemetery, would open a dignified avenue to Wyoming Cemetery.

Main Street with its multitude of teams, automobiles and electric cars is not an appropriate approach to our cemetery.”

Extension of Linwood Avenue about 500 feet north.

Extension of Linwood Avenue about 400 feet south.

Re-surfacing portion of Linwood Avenue.

Setting out trees on Linwood Avenue.

Gate for cemetery entrance.

1915 Estimated cost..... \$13,000.00

1916 Estimated cost..... 16,000.00

Since the printing of this report, Hon. Charles M. Cox, of this city, has risen to the needs of the hour by presenting to the City, without money and without price, a sufficient amount of land to make three splendid playgrounds. What individuals can do, the community itself can do.

CITY HALL

Recommendations of the Planning Board to Public Service Committee of the Board of Aldermen relative to the remodelling of City Hall.

Copy

City of Melrose City Planning Board

Melrose, Mass.

Nov. 23, 1916

A. M. Tibbetts, Esq.,

Chairman of Committee on Public Service,

Board of Aldermen, Melrose, Mass.

Dear Sir:—The Melrose Planning Board in response to the request of your Committee, under date of February the 8th, 1916, "Paper 8776", beg leave to submit the following report, contained in a report from the Committee of the Planning Board, Victor A. Friend, Chairman, a copy of which is herewith enclosed; said report receiving the unanimous approval of the planning Board.

The Planning Board and its Committee, have given much time and thought to the consideration of this subject, and trust that the information herewith given, will be of value to your Committee, to the Board of Aldermen, and to the City of Melrose.

Figures named in the cost of construction and repair, under competitive bids, can probably be somewhat reduced, but in order to leave a margin for unlooked for contingencies in actual construction, we believe the estimates are as low as it would be wise to assume the actual construction of the work will cost.

The Planning Board feel under obligation to, and have appreciation of the assistance received from: Angus MacDonald, Contractor; George C. Glover, Architect.

Report of Committee,

Estimate of Architect,

Letter of John H. Plunkett, Chief,

Copy of Report of J. J. Carey, Deputy Chief,

Letters and order submitted to the Planning Board by the Committee

(Signed) JOHN C. F. SLAYTON,

(Signed) L. S. HUNT,

*Chairman**Secretary..*

Mr. John C. F. Slayton,

Chairman Melrose Planning Board, Melrose, Mass.

Dear Sir:—The committee appointed for the purpose of investigating and reporting on a plan for the remodelling of City Hall, beg to submit the following, which can be no better stated than in the Annual Report of the Planning Board, for the year of 1915.

"The Auditorium in City Hall in its present condition, should no longer be used for the assembly of large audiences.

"Melrose could hardly forgive herself if a fire catastrophe should occur, similar to those which have occurred in other places, where in some instances the fire menace was less than it is at the City Auditorium

"The added space, gained by utilizing the present hall, would permit a rearrangement of the building, furnishing a dignified and properly ventilated council chamber, with adjoining space capable of accommodating citizens who wish to be present.

"The suggested changes would also furnish the necessary room for our police headquarters, and permit other changes and readjustment consistent with the growing needs of the several city departments."

The plan is hereby submitted with an estimate of \$25,862 to carry out and embody the recommendations of the Planning Board.

In order to have the appropriation large enough to cover all contingencies, including architect's fees, etc., the committee would suggest an appropriation of \$28,000.

The Committee submit as follows:—

First.—The expense in connection with the remodelling of the *basement* of City Hall, is approximately \$7,850, made up as follows:—

Police quarters, including four modern cells.....	\$4,000.00
Public convenience stations.....	2,800.00
Reinforcing vaults and fireproofing boiler room and stairway.....	1,050.00
	\$7,850.00

Second.—The installing of police quarters, including four modern cells, has an estimated cost of only \$4,000. All other expenses in connection with remodelling of the building including public convenience stations, and largely increased vault space, are absolutely essential to the proper requirements of the City's growing needs (and necessary repairs of the building) whether the police department continue to occupy a part of the building or not.

Third.—The remodelling of City Hall will remove much of the present fire menace, and will carry out recommendations in the general fireproofing of the building as contained in letter of John H. Plunkett, Chief of the District Police of the Commonwealth of Massachusetts, addressed to the Chairman of the Planning Board, under date of June 20, 1916, copy of which is herewith attached.

VICTOR A. FRIEND

WILBUR W. DAVIS

D. W. FITZPATRICK,

Committee

J. C. F. Slayton, Esq.,
19 Blackstone Street,
Boston, Mass.

Dear Mr. Slayton:

The new approximate estimates for altering the City Hall at Melrose, as per sketches prepared in this office and revised in accordance with the conference with your committee, Thursday evening, November 2d, are as follows:

General Work—A. MacDonald, 79 Milk Street, Boston.....	\$18,362.00
Plumbing, J. C. McCarron, 29 Central Street, Boston.....	2,500.00
Miscellaneous—Heating, Electric Work, etc.....	5,000.00
Total.....	\$25,862.00

Included in the above estimates, the work in the basement for police quarters and modern cells, amounts approximately to.....	\$4,000.00
Proposed public convenience stations.....	\$2,700.00
Reinforcing of vaults and fireproofing boiler room and stairway, approximately.....	1,050.00
	\$7,850.00

These estimates provide also for 4,000 square feet of additional floor space on the third floor. Furnishings and architect's fees are not included.

Yours very truly,
(Signed) GEORGE C. GLOVER.

Copy
Chief of the District Police

State House, Boston.
June 20, 1916

John C. F. Slayton, *Chairman,*
City Planning Board, Melrose,
(19 Blackstone Street, Boston)

Dear Sir:

In compliance with your request, I am enclosing you a copy of the conclusions and recommendations made by Deputy Chief Carey, relative to the City Hall at Melrose. You will note some of these are based on the use of the hall for moving picture entertainments.

These are to be considered in the light of recommendations only for the safe occupancy of the hall.

Respectfully,
(Signed) JOHN H. PLUNKETT,
Chief.

Copy

John H. Plunkett, *Chief,*
State House, Boston, Mass.

Dear Sir:

I would recommend that the following changes be made if this hall is to be used in the future for the exhibition of moving pictures.

Provide a means of egress from gallery, that will have no connection with egresses leading from the auditorium, the same to be at least 4 feet in width.

The rear egresses from the gallery and auditorium now entering the corridor of first floor should be changed so that egress can be made from building at first floor without entering corridor, a partition be constructed in said corridor dividing portion at foot of stairway from main corridor of building.

Secure seats in gallery.

Provide illuminated exit signs to indicate all means of egress.

Provide approved hardware on all egress doors.

Remove doors of auditorium which now swing into corridor and obstruct egress or rearrange said doors so that they will not obstruct egress.

Extend hand rails by window, rear stairway.

Provide centre hall rail on main stairway, from second to first floors.

Remove windows at foot of stairways leading from gallery to auditorium and extend hand rails of said stairways full distance of flights.

Remove all movable articles from rooms, corridors and platforms used as egress.

Maintain full width of aisles in auditorium by removing seats at raidators and enclosures.

Remove or open outwardly screen doors, corridor, rear at first floor.

Remove storage closet under main stairway. The main stairway leading from first floor to auditorium is one continuous flight of twenty-four risers. I would recommend that said stairway be constructed with platform at least four feet in width to break flight in the middle thereof.

I would recommend that a sufficient number of gas fixtures be arranged in an approved manner to provide auxiliary lighting.

Respectfully,

(Signed) J. J. CAREY,
Deputy Chief.

CONCLUSIONS

There have been presented in the previous pages of this report only some of the larger and more important problems. It is realized that the Park Commission and Planning Board, in giving the people of Melrose plans for a beautiful and unified city, are asking for the carrying out of a great work, and one which seems to involve large expenditures of money. This is only a seeming condition, for in fact the plans can be carried out

in their entirety without seriously increasing the present tax burden. The very growth of the city which is creating increased valuation with resultant increased income, gives a basis for expenditure in excess of the cost of carrying out the plans submitted.

City building means man building. Who is there among us who is not lifted above sordid industrial existence into the realm of the beautiful and ennobling things in life, by attractive surroundings? Beautiful parks, well laid out streets, properly lighted, paved and amply provided with shade trees; relief from noise, dirt and confusion—all these things and many others are agencies that make not only for the future growth of the city, but the happiness and prosperity of all the people within its gates.

FINANCIAL STATEMENT

Appropriation.....		\$300.00
Expended for:		
Stationery, stamps, etc.....	\$6.00	
Miles Greenwood.....	11.65	
George B. Dodge Co. Printing reports.....	68.00	
Balance unexpended.....	214.35	
		\$300.00

JOHN C. F. SLAYTON, *Chairman*

VICTOR A. FRIEND

RICHARD H. SIRCOM

HAROLD MARSHALL

WILBUR W. DAVIS

DENNIS W. FITZPATRICK

E. GERTRUDE COPELAND

AGNES L. DODGE

LOUISA S. HUNT, *Secretary*

Report of the Public Library

To His Honor, the Mayor, Charles H. Adams and the Honorable Board of Aldermen.

Gentlemen:—The Trustees of the Melrose Public Library submit the following report for the year 1916, being the sixteenth annual report to the city, and the forty-sixth since the establishment of the library.

During the year 1916, 84,371 volumes were circulated, which, considering the fact that for several weeks the Juvenile Department was under quarantine, is a splendid record and certainly demonstrates the reality that the Library is appreciated.

Bulletin No. 4 has been issued, containing 718 titles, divided as follows: Fiction, 239; children's non-fiction, 64; social and political science, 49; European War, 49; children's stories, 48; geography and travel, 41; literature, 35; useful arts, 33; biography, 27; philosophy and ethics, 23; fine arts, 22; history, 18; natural science, 17; religion, 13; drama, 11; education, 11; general works, 10; art, 8.

The South East Branch has shown a steady increase in circulation and the outlook is very encouraging.

The Highlands Branch has had a circulation of 17,422 which has exceeded the expectations of all directly interested.

On Oct. 31, 1916, a branch library was opened on the East Side in the Winthrop School and during the two months which it has been open has made a creditable record, having circulated 498 books.

The Trustees regret that the Mary A. Livermore Art Library is still incomplete, but hope within a reasonably short time to have it ready for the use of the public.

The Historical Room has been used this year more than ever before for educational purposes.

The week of December 4-9 was devoted to "Good Book Week" in the Juvenile Department.

The Community Associates have held a story-telling hour once a week at the Library under the direction of a professional story-teller with splendid results.

Thirteen meetings of the Board have been held.

With the increase in circulation at the Library and the three Branches, it is obvious to every one that the number of volumes in the Library must be largely increased. This, of course, will require a larger appropriation for books and magazines.

The Trustees beg to submit the following as the requirements of the Library for the year 1916, in appropriations for its various departments:

Salaries	\$3,560.00
Books and magazines	2,000.00
Binding	500.00
Fuel and light	550.00
Building and janitor supplies	100.00
For opening Library Sunday afternoons (for 6 mos.) ..	100.00
Sundries	550.00
	\$7,360.00

Respectfully submitted,

PAUL STERLING, *Chairman*

MARY C. BARTON, *Secretary*

CHAS. E. FRENCH

FRANK W. CAMPBELL

NEIL A. DIVVER

LOVISA A. ALLEN

Trustees

MELROSE PUBLIC LIBRARY MELROSE HIGHLANDS BRANCH. REPORT FOR 1916

January 1, 1916, the Highlands Branch of the Melrose Public Library contained 900 books. During the past year the number has been increased by purchase and by loans from the main library, until at the present date (January 1917) there are 1,952 books, including those in the duplicate pay collection, 1,368 are adult and 550 juvenile books. Twenty periodicals and the Congressional Record are received.

The Highlands Branch was open 190 days in 1916, and the average daily circulation for the year 92 (monthly average 1,451), making the total number of books issued in 1916, 17,422. Of this number, 13,721 were books of fiction; 3,701 non-fiction.

Owing to the epidemic of infantile paralysis, the children were not admitted to the library during October, and in consequence the circulation for that month dropped to 873.

The largest monthly circulation was for April, when 1,789 books were given out in 17 days. This is the more worthy of comment when one considers that there were not over 1,500 books in the Branch at that time.

The duplicate library was not started until April, 1916. There are now 34 volumes in this collection, and the amount from books loaned during 1916, was \$15.92.

The cash from fines received at the Melrose Highlands Branch from January 1, 1916 to January 1, 1917 was \$52.60. Miscellaneous expenditures were \$21.58, leaving a balance of \$31.02.

The interest which the residents of Melrose Highlands took in their new branch library when it was opened a little over a year ago, has not

seemed to lessen; 286 registrations were made in 1916, making a total of 521.

The children are using the library more and more in connection with their school work, and eagerly take advantage of the opportunities it affords them as a reading-room.

GERTRUDE B. LOW,

January 21, 1917

Librarian

WARD SEVEN BRANCH

January 1, 1917.

No. of books in library, 541.

Of these 434 are adult.

107 juvenile.

Fiction cards in circulation 236

Non-fiction cards in circulation 194

No. of books given out from this branch monthly 375

Respectfully submitted,

PAULINE LAVIN,

Librarian

EAST SIDE BRANCH

Melrose, Mass., December 30, 1916

To the Board of Trustees of the Melrose Public Library:

For the month of December there have been loaned from the East Side Branch of the Melrose Public Library, 281 books.

The Library has been opened every Tuesday and Thursday afternoon and Saturday evening in December.

The Christmas season made a great difference in the number of books loaned and there were only 82 books loaned for the last two weeks of the month compared to 199 for the first two weeks of the month.

The Librarian has indexed all the cards used in the Branch Library, 55 having been issued in November and 10 in December and also 33 cards of the Main Library which are in use.

There have been four fines collected for overdue books and five cents paid for one lost card, making a total of fifty-nine cents. There are some fines still unpaid.

On December 23d a new bookcase was brought to the library, also 31 new books, mostly juvenile, which are to be kept permanently in the Branch Library. There are in use at the library at present about 218 books.

Respectfully submitted,

MRS W. H. LEWIS,

Librarian

Of the East Side Branch of Melrose Public Library.

STATISTICS—1916

Number of volumes in the library Jan. 1, 1916.....	18,674
Increase by purchase.....	1,069
Increase by binding periodicals.....	25
Transferred from duplicate pay collection.....	100
	19,868
Number of volumes worn out.....	279
Number of volumes in the library Jan. 1, 1917.....	19,589
Number of cards issued in 1916.....	937
Number of teachers' cards issued in 1916.....	126
Number of students' cards issued in 1916.....	289
Number of volumes rebound.....	892
Number of volumes replaced.....	225

CIRCULATION

Number of days the library was open.....	295
Average daily circulation.....	210
Largest daily circulation.....	469
Smallest daily circulation (stormy).....	39
Largest monthly circulation.....	6,101
Smallest monthly circulation.....	3,556
Number of volumes delivered for home use.....	61,904
Number of volumes delivered at Lebanon street Branch.....	4,547
Number of volumes delivered at East Side Branch.....	498
Number of volumes delivered at Highland Branch.....	17,422
Total number of books issued in 1916.....	84,371
Per cent	
Fiction.....	74½
Non-Fiction.....	25½

DONATIONS—Books

Acts and Resolves of Massachusetts.....	State
Annual Report of Commissioners of Education.....	State
Annual Report of City of Melrose.....	City
Annual Report of Metropolitan Water.....	State
Appeal Against Slaughter.....	M. E. Coville
An Ethical Problem.....	Anti-vivisection Society
Churches of the Federal Council.....	Mr. C. S. Macfarland..
Christian Certainties of Belief.....	J. R. Smyth
Defenceless America.....	H. Maxim
Domestic Cat.....	State Board Agriculture
History of Game Birds and Wild Fowl.....	State Board Agriculture
Federal Reserve and National Bank.....	G. E. Gregory
How Diplomats Make War.....	Mr. H. Marshall
Jews in Eastern War Zone.....	Am. Jewish Society
Japan's Attitude Toward America.....	Japan Society
Leading Opinion for and against National Defense.....	H. Maxim
Fiftieth Encampment of Department of Mass. G. A. R.	
Transfiguration of Miss Philura.....	Miss L. Boardman

PRESENTATIONS

Antiques and Curios.....	Mrs. F. C. Moulton
Picture of Evangeline.....	Mrs. F. C. Moulton
Timber Felled in Forests of Lebanon.....	Mr. Simeon Cragin

Antique Spectacles—1761.....	Mr. Simeon Cragin
Original Wood of the Old Ship Constitution.....	Mr. Simeon Cragin
68 volumes	Mrs. F. C. Moulton
15 volumes	Mr. F. S. Hesseltine

PERIODICALS IN READING ROOM

American Boy	McClure's Magazine
American Forestry	Munsey's Magazine
Association Men	Musician
Atlantic Magazine	Nation
Bird Love	National Geographic Magazine
Bookman	New England Homestead
Building Age	North American Review
Century Magazine	Our Dumb Animals
Christian Science Journal	Our Fourfooted Friends
Christian Science Sentinel	Outing Magazine
Country Life in America	Outlook
Delineator	Pictorial Review
Dial	Popular Mechanic
Everybody's Magazine	Popular Science Monthly
Forum	Protectionist
Garden	Republic
Good Housekeeping	Review of Reviews
Harper's Bazaar	Saturday Evening Post
Harper's Magazine	Scientific American and Supplement
House Beautiful	Scientific Monthly
Illustrated London News	Something Doing
Illustrated World	Scribner's Magazine
Independent	St. Nicholas
International Studio	Survey
John Martin's Book	Two States
Kindergarten Review	Theosophical Path
Ladies' Home Journal	Unity
Library Journal	Washington News Letter
Life	Woman's Missionary Friend
Literary Digest	Wireless Age
Littell's Living Age	World's Work
Little Folks	Yale Review
Lehelo	Youth's Companion

PAPERS IN THE READING ROOM

Christian Register	Pilot
Cheerful Letter	Springfield Republican
Christian Science Monitor	Universalist Leader
Church Militant	Union Signal
Commercial Tribune	Woman's Journal
Free Press	

**REPORT OF TREASURER OF SPECIAL FUNDS MELROSE PUBLIC
LIBRARY FOR YEAR ENDING DECEMBER 31, 1916**

William Emerson Barrett Fund

Jan. 1, 1916—by balance.....		\$129.61	
Dec. 31, 1916—by interest.....		5.22	
Dec. 31, 1916—to balance.....	\$134.83		
	<u>\$134.83</u>	<u>134.83</u>	
Jan. 1, 1917—by balance.....		\$134.83	

Horatio Nelson Perkins Fund

Jan. 1, 1916—by balance.....		\$601.13	
Dec. 31, 1916—by interest.....		24.28	
Dec. 31, 1916—to balance.....	\$625.41		
	<u>\$625.41</u>	<u>\$625.41</u>	
Jan. 1, 1917—by balance.....		\$625.41	

William Bailey Fund

Jan. 1, 1916—by balance.....		\$2,807.81	
Dec. 31, 1916—interest.....		115.78	
Mar. 10, 1916—to books purchased.....	\$37.05		
Dec. 31, 1915—to balance.....	2,886.54		
	<u>\$2,923.59</u>	<u>\$2,923.59</u>	
Jan. 1, 1917—by balance.....		\$2,886.54	

Duplicate Library Fund

Jan. 1, 1916—by balance.....		\$94.37	
Dec. 31, 1916—by deposits.....		93.42	
July 1, 1916—by interest.....		.96	
Dec. 31, 1916—to books purchased.....	\$109.07		
Dec. 31, 1916—to balance.....	79.68		
	<u>\$188.75</u>	<u>188.75</u>	
Jan. 1, 1917—by balance.....		\$79.68	

LIBRARY REPORT

Catalogue Fund

Jan. 1, 1916—by balance.....		\$137.42
July 1, 1916—by interest.....		2.92
Dec. 31, 1916—by deposits.....		109.84
Dec. 4, 1916—to 5M bulletins.....	\$83.76	
Dec. 31, 1916—to balance.....	166.42	
	\$250.18	\$250.18
Jan. 1, 1917—by balance.....		\$166.42

CHARLES E. FRENCH, *Treasurer*

Examined and found correct April 21, 1917.

EDWIN C. GOULD, *City Auditor*

Brown Tail and Gypsy Moth

Melrose, Mass., January 8, 1917

To the Honorable Charles H. Adams, Mayor, City of Melrose.

Dear Sir:—In accordance with the Ordinances, I hereby respectfully submit the annual report of the Moth Department.

There has been expended from the appropriation for Brown Tail and Gypsy Moth Suppression the sum of \$1,421.09.

The Brown Tail Moth is decreasing in Melrose, much to the satisfaction and comfort of our citizens.

The "residential portion" of the city has been fairly well cared for in the past year; while the outlying territory has been left to the mercy as such parasitization as the generosity of the United States Government officials were kind enough to plant for their nearby experiments.

The appropriation for Other Insect Pests was \$1,000. With regard to the ravages of the imported elm leaf beetle, I am pleased to report that but few elm trees showed serious perforation during the past year, giving evidence of a diminishing activity on the part of this pest and a reason to presume that with careful and consistent spraying and tanglefooting this injurious insect will be conquered in two or three years.

Regarding spraying conditions:

The city owns one of the high power spraying machines, but we find it somewhat difficult to secure men to operate it for the reason that any one working is drenched with the poison. This occurs only with street trees, where the "hoseman" is obliged to stand close to the tree, whereas in the woods he can remain at a safe distance from the stream. We tried to remedy this by purchasing oil suits. Even these were not satisfactory and we used the lighter power machines, thus necessitating a return to climbing the trees, and as the work is not permanent, it is somewhat a problem to get men to continue to work at a job that is unsteady.

The Leopard Moth is doing considerable damage to the young maples recently planted throughout the city and measures should be taken at once for a most thorough and systematic examination of all the young trees. There is, in my opinion, a real necessity for immediate action against the Leopard Moth in order that our plantings of the last two years shall not be destroyed.

As the appropriation for private work was so small we could not cover the whole city and therefore confined our work to applications or complaints, which is not the most efficacious method of suppression nor is it in keeping with the instructions of the State authorities nor in consonance with State law.

In all probability there will be an increase in the wages of all tree workers during the coming spring for which Melrose must be prepared in common with all other cities and towns in this State.

I hope that some arrangement may be made with the Public Works Department to give employment to the tree workers when not engaged

in tree work. Such a course would give encouragement to the men as well as to give a semblance of constant employment.

As our "Liability" is not less than five thousand dollars, I most respectfully recommend the following appropriations:

Brown Tail and Gypsy Moths.....	\$2,000.00
Other Insect Pests.....	1,500.00
Private work.....	1,500.00
	\$5,000.00

Respectfully submitted,

JOHN J. McCULLOUGH,

Local Superintendent

Report of Soldier's Relief Department

Melrose, Jan. 25, 1917.

To His Honor the Mayor and the Board of Aldermen, Melrose, Mass.

Gentlemen:—I herewith most respectfully submit my report as State Aid and Soldiers' Relief Agent for the year 1916.

State Aid paid for year.....	\$3,052.00
Mexican State Aid for year.....	144.80

SOLDIERS' RELIEF

Appropriation.....	\$3,500.00
Other expense.....	50.00
Extra appropriation.....	300.00
	\$3,850.00

Cash paid by Treasurer.....	\$2,863.00
Rent.....	93.00
Fuel.....	501.73
Groceries.....	223.32
Medical attendance.....	68.00
Nurse.....	20.25
Medicine.....	8.89
Dry goods.....	5.00
Shoes.....	10.75
Auto.....	5.00
Typewriting, postage, etc.....	45.68
	\$3,844.62
Balance.....	5.38
	\$3,850.00

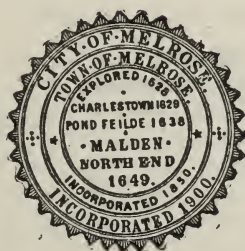
Unpaid Bills:

Fuel.....	\$168.35
Medical attendance.....	18.50
Medicine.....	1.40
	\$188.25

Respectfully submitted,

MARY A. KENAH, *Agent*

Seventeenth Annual Report
OF THE
Public Works Department



GEO. O. W. SERVIS,
Engineer and Superintendent

CITY OF MELROSE
MASSACHUSETTS
1916

ORGANIZATION

1916

HON. CHARLES H. ADAMS

Mayor

George O. W. Servis

Engineer and Superintendent

Emma L. Leighton, *Stenographer*

Blanche E. Nickerson, *Asst. Stenographer*

Gladys E. Moore, *Clerk*

William H. Martin,

Bookkeeper

Patrick DeCourcy, *Timekeeper*

A. J. Waghorne

Assistant in Charge of Sewers and Drains

James McTiernan

Assistant in Charge of Water Division

Walter J. Lord

Assistant in Charge of Highways

Engineering Division

Charles F. Woodward, *Assistant*

Elmer O. Pray, *Transitman*

Willard Thompson, *Rodman*

John Dyer, *Transitman*

Kenneth A. Prior, *Rodman*

To His Honor the Mayor and the Board of Aldermen:—

Gentlemen:—In accordance with the City Ordinances I have the honor to submit herewith the seventeenth Annual Report of the Public Works Department of the City of Melrose for the fiscal year ending December 31, 1916.

This department has the general care of all public highways (streets, sidewalks, trees), construction of new streets and sidewalks, street lighting, street sprinkling, street cleaning, collection of ashes, street signs and house numbering, and all work connected with the sewer, surface drainage and water systems, all engineering work relating to the above and Wyoming Cemetery, care of City Hall and Memorial Building, and the placing of insurance on City property.

PUBLIC WORKS OFFICE

Contracts have been made for tar concrete and granolithic sidewalks, edgestones, sodding, sewer pipe, water pipe, etc. Minimum rate and excess water bills and summonses have been made and delivered. Sewer connections, water services and individual sidewalks have been estimated and billed. Estimates have been made for the Board of Aldermen and Committees as requested. Sidewalk assessments, sewer assessments and apportionments, betterment assessments and street watering assessments have been made.

All engagements of the Auditorium City Hall and Memorial Building have been booked and bills rendered, and insurance placed on all City property. Two hundred and thirty-seven permits have been given to open and occupy public streets.

SALARIES AND WAGES

Appropriation.....	\$2,850.00	
From Water Maintenance.....	639.75	\$3,489.75

Expended

Salary, Engr. and Supt. Public Works.....	\$2,000.00	
Clerical Services, General Office	850.00	
“ “ Water Maintenance.....	639.75	\$3,489.75

Superintendent of Divisions, Bookkeeper and Timekeeper charged to various classes of work.

OTHER EXPENSES

Appropriation.....	\$650.00
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Expended

Use of automobile	\$356.00	
Schoolhouse inspection	48.00	
Report	22.42	
Stamps and stationery	144.94	
Sundries	47.95	
Telephone service	29.82	649.13
Balance		\$.87

WATER DIVISION**Distribution Mains—Extension**

Twenty-seven hundred feet of new mains have been laid during the year, including hydrant branches, making a total length in the city of approximately fifty-five and thirty-one one hundredths (55.31) miles.

Seven hundred and fourteen feet of cement pipe have been replaced with cast iron pipe, and 6 feet of iron pipe have been replaced by larger pipe.

Ninety-seven services have been laid during the year and 4 abandoned, making a total in use of 4,098.

Four additional fire hydrants have been placed, the total now in service being 368 maintained by this department.

Twenty-five Water gates have been added to the system, making a total of 648.

Water Meters

One hundred and six (106) meters have been installed during the year and twenty-one (21) abandoned, making a total of four thousand, two hundred and ninety-six (4,296) in use December 31, 1916.

Maintenance and Operation

The entire system of mains, services, hydrants, water meters, etc., has had careful attention, and the necessary repairs and changes have been made. Following are some of the items:—

- 7 breaks in cement pipe repaired.
- 12 joints in iron pipe repaired.
- 42 service leaks in street repaired.
- 10 services in streets cleaned.
- 13 services in private premises cleaned.
- 68 services in street renewed with lead.
- 53 services in private premises renewed with lead.
- 4 gates repacked.

Hydrants have been oiled, repaired, painted and kept free from snow and ice. The Table of Relay gives length, size, etc., of cast iron pipe used to replace defective or small cement pipe

There still remain about eleven and fifty one hundredths (11.50) miles of cement pipe that should be replaced by cast iron pipe as soon as possible.

TOTAL PIPEAGE OF THE CITY

Number of feet	$\frac{3}{4}$ inch pipe	1,363
"	1 " "	1,850
"	$1\frac{1}{2}$ " "	375
"	2 " "	5,948
"	4 " "	56,752
"	6 " "	149,239
"	8 " "	25,720
"	10 " "	19,846
"	12 " "	22,801
"	14 " "	2,920
"	16 " "	5,223

Total	292,037
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Length of cast iron pipe, 231,332 feet or 43.81 miles.

"	cement pipe,	60,705	"	11.50	"
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Total	55.31	"
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Number of services in use	4,098
" meters	4,296
" fire hydrants	368
" gates on mains	658
" standpipes for street sprinkling	34
" watering troughs	3
" ornamental fountains	2
" drinking fountains	1
" fire service	19

WATER DIVISION

Construction

Appropriation	\$10,000.00	
Balance January 11, 1916	1,175.38	
Stock Balance January 1, 1916	284.39	\$11,459.77

CITY OF MELROSE

	Expended	
Services—Stock.....	\$1,134.83	
Labor.....	815.20	\$1,950.03
Meters—Stock, Fittings.....	\$40.27	
Meters.....	911.40	
Labor.....	116.45	\$1,068.12
Main Lines—Stock.....	\$2,134.62	
Labor.....	2,938.66	\$5,073.28
Improvement to Plant:		
Beverly Street Relay.....	\$385.56	
Completing 1915 work.....	163.00	
New hydrants and gates.....	125.30	673.86
Teams.....		\$781.51
Tools and repairs.....		321.59
Liability Insurance.....		108.04
Balance.....		\$1,483.37
Treasury balance.....		\$463.73
Meters on hand.....		1,019.64
		\$1,483.37

INSIDE SERVICES AND CHARGES

	Expended	
For stock 1915.....	\$41.40	
For stock 1916.....	1,753.15	
For labor.....	1,122.37	
		\$2,916.92
Less due maintenance 1915 acct.	\$41.40	
“ “ “ 1916 “	201.33	242.73
		\$2,674.19

WATER MAINTENANCE

Appropriation.....	\$15,000.00	
Stock balance, Jan. 1, 1916.....	4,094.61	\$19,094.61

	Expended	
Outside Services, Stock.....	\$599.47	
Labor.....	1,153.23	\$1,712.70
Relay mains, labor and teams.....		353.17
Repair mains, labor.....	200.24	
Stock.....	220.13	420.37
Repair hydrants, stock.....	90.20	
Labor.....	320.18	410.38
Meter Maintenance, stock and parts.....	306.47	
Labor on meters.....	403.53	
Labor reading meters.....	1,829.41	2,539.41

General Maintenance

Salaries	\$3,749.92			
Auto purchase and Maintenance	557.67			
Teaming	474.63			
Tools and blacksmithing	321.59			
Tools purchased	197.80			
Insurance	353.86			
Stamps and stationery	188.24			
Telephone service	94.23			
Pension paid Daniel J. Donovan	347.20			
Nathaniel J. Glover, leave of absence	314.85			
	<u>\$6,599.99</u>			
Less:				
Collections on and off water	\$65.05			
Charged, inside services	282.52			
Charged construction	108.01	455.58	\$6,144.41	\$11,580.44
Balance				<u>\$7,514.17</u>
Treasury balance			\$3,577.00	
Stock balance			3,937.17	<u>\$7,514.17</u>

Stock Account

Balance on hand Jan. 1, 1916		\$4,094.61		
Stock purchased:				
Wrought iron pipe and fittings		\$126.97		
Cast iron pipe and fittings		1,934.55		
Brass pipe and fittings		119.35		
Lead and lead pipe		2,463.96		
Castings		41.65		
Hydrants and valves		1,104.11		
Labor and stock		317.62		
Yard rent		175.00		
Coal and wood		50.23		
		<u>\$10,428.05</u>		
Stock Used:				
Outside service, maintenance	\$559.47			
Main line, maintenance	76.49			
Meter, maintenance	.82			
Hydrant repairs	90.20			
Relay main	.81	\$727.79		
Construction Services	<u>\$1,134.83</u>			
Construction main line	2,620.28			
Install meters	40.27			
Inside services	1,283.22			
Other divisions	21.54			
Stock sold	662.95	5,763.09	\$6,490.88	
Balance			<u>\$3,937.17</u>	

WATER CONSTRUCTION—1916

LOCATION	Pipe Laid		Gates		Hydrants	
	Length in ft.	Size in ins.	No.	Size in ins.	No.	Size in ins.
Beverly St., new hydt., opp. No. 25...	7	6	1	6	1	6
Emerson St., E., at Lincoln St.	196	6	2	6	1	6
Emerson St., W., opp. No. 89.			1	6		
Emerson St., W., cor. Tremont St.			1	6		
Emerson St., W., opp. No. 49.			1	6		
Garfield Rd., E. Emerson St., north...	404	6	1	6		
Geneva Rd., Upham St., south.	215	6	1	6		
Green St., at Short St.			1	6		
Holland Rd., at hydrant.			1	6		
Harold St., at Goss Ave.	26	6	1	6		
Leonard's Court.	31	6	1	6		
Lynde Ave., Washington St., north...	196	6	2	6	1	6
Lynde Ave., Glen St., south.	260	6	1	6		
Lynn Fells Pkwy., opp. Charles St.	76	4				
Maple St., at hydrant.			1	6		
Mendum St., Orris St. to Melrose St.	350	6	2	6		
Park Ave., Elm St., easterly.	231	4	2	4	1	4
Vinton St., hydrant at Parkway.			1	6		
Warwick Rd.	89					
Warwick Rd.	547	6	1	6		
Washington St., at Trenton St.			1	4		
Youle St., Warwick Rd., east.	72	6	2	6		
Totals.	2700		25		4	

Number of new services. 97

Number of new meters set. 106

WATER RELAY—1916

LOCATION	Pipe Laid		Pipe Abandoned		
	Length in ft.	Size in inches	Length in ft.	Size in inches	
Beverly St., Porter to Rowe Sts.	575	6	385	4	Cement
			190	6	"
Lynde Ave., at Russell St.	86	6	86	4	"
Lynde Ave., Russell St., north.	53	6	53	6	"
Youle St., at hydrant.	6	6	6	4	Cast Iron
Totals.	720		720		

WATER ASSESSMENTS AND CONSUMPTION

The annual assessments paid by this city as its proportional part of the cost and operation of the Metropolitan Water Works, are given below:

Year	Sinking Fund	Interest	Maintenance	Maturing Serial Bonds	Total
1898.....	No Division				\$3,332.94
1899.....	No Division...				4,921.63
1900.....	No Division...				6,740.49
1901.....	\$2,758.43	\$7,130.58	\$2,657.31		12,546.32
1902.....	4,398.83	7,038.98	2,997.12		14,434.93
1903.....	3,630.11	11,243.27	2,941.96		17,815.34
1904.....	3,730.13	12,492.25	3,500.35		19,722.73
1905.....	4,829.71	12,588.36	3,090.46		20,478.53
1906.....	5,802.58	14,905.91	4,521.60		25,230.09
1907.....	6,433.77	15,748.61	4,788.81		26,971.19
1908.....	6,564.43	18,112.32	4,018.30		28,693.90
1909.....	5,405.19	14,495.42	4,622.77		24,523.38
1910.....	4,464.87	11,925.83	3,250.21		19,640.91
1911.....	4,683.16	12,866.12	3,605.47	\$45.83	21,200.58
1912.....	4,699.42	13,098.79	3,094.25	85.55	20,978.01
1913.....	4,862.03	13,691.71	4,035.19	95.93	22,684.86
1914.....	2,921.81	15,058.68	4,630.24	37.19	22,647.92
1915.....	2,470.45	12,925.69	3,728.19	196.99	19,321.32
1916.....	2,271.24	12,695.07	3,710.18	259.80	18,936.29

The daily per capita consumption of water in Melrose, as recorded by the Venturi meter, operated by the Metropolitan Water Works, is shown below by months for the years 1907, 1908, 1909, 1915 and 1916.

	1907	1908	1909	1915	1916
January.....	113	105	61	57	43
February.....	125	102	61	52	43
March.....	117	93	58	51	44
April.....	110	94	60	49	43
May.....	111	99	64	51	46
June.....	121	111	71	57	46
July.....	122	106	71	68	45
August.....	131	84	66	52	49
September.....	117	85	63	46	49
October.....	116	72	61	50	47
November.....	113	64	60	46	45
December.....	116	61	55	42	44

In 1908 general metering of the city was commenced and in 1909 practically all services were metered. Tables show saving made by metering.

Water Rates

Received by Treasurer:

1911 and previous.....	\$11.26	
1912 rates.....	40.27	
1913 ".....	56.39	
1914 ".....	250.64	
1915 ".....	6,717.37	
1916 ".....	41,349.73	
Summons.....	119.40	\$48,545.06
1916 rates as billed.....		\$48,657.20

Cost of System

Construction to January 1, 1916.....	\$465,029.62
Construction 1916.....	9,976.40
Total cost to January 1, 1917.....	\$475,006.02

HIGHWAY DIVISION

East Emerson Street from Stratford Road to Lincoln Street, East Foster Street from Ell Pond Brook to Dell Avenue, Henry Avenue from Highland Avenue to Ashland Street, and Marvin Road from Franklin Street to the angle, have been constructed with bituminous macadam, and Beverly street partly constructed.

Garfield Road and Lynde Avenue were constructed with gravel and the Newburyport Turnpike and Ravine Road regraded and Tarvia B. applied.

The hill on Swain's Pond Avenue between the ice-houses was lowered and regraded, and a fence or guard-rail constructed at the top of the hill, making a great improvement.

A fence was built on the easterly side of Reading Hill Avenue.

Laurel Street from Sixth Street to Waverly Avenue, Sixth Street between Laurel and Foster Street, Eleventh Street, East Street, Maple Street and Cottage Street were graveled and repairs made on various other streets.

On macadamized streets, for dust layer, tar was used where possible, laying the dust and improving the street itself at the same time. This treatment also protects the street from rutting during the winter months, caused by auto traffic. Some of the streets treated by this method are Lebanon Street from Emerson Street to Appleton Street, East Foster Street from Lebanon Street to Larrabee Street, Laurel Street and Malvern Street, and this work should be continued on macadamized streets not ordered sprinkled, and I respectfully ask that the Highway Repairing appropriation be increased in order that this work may be done.

Main Street

The New England Telephone and Telegraph Company enlarged their underground conduit from Porter Street to the Wakefield line, and made the necessary cross connections to houses, etc.

The Malden Electric Company continued their conduit from Franklin Square to the Wakefield line and the Malden Gas Company laid a new main from Franklin Square to the Wakefield line, and renewed all services from Porter Street to the Wakefield line.

The city was very fortunate to have this work done this year on account of high wages and scarcity of help.

There is some Surface Drainage work to be done and relaying of water mains from Briggs Street to Heyward Avenue, by the city. When this is done and the Street Railway tracks lowered, this street will be ready for construction.

For the type of pavement to be used on Main Street, I would recommend the modern granite grouted block on a concrete base and this should be used in and between the car tracks as well as outside the tracks.

If the whole length from Porter Street to the Wakefield line cannot be done in one year, the part from Franklin Square to the Wakefield line should be done first.

Paved Gutters and Crossings

Paved gutters were laid on Marvin Road from Franklin Street to the angle, Henry Avenue, Perkins Street where edgestones have been placed, Warwick Road from Dyer Avenue to Sears Avenue, Beverly Street and Hopkins Street, and a granite crossing laid in Vinton Street at Cedar Park.

Tree Planting

Seventy-seven Norway maples were set out in the spring and 19 in the fall. These were larger trees than usual and are in fine condition. The few set out in the fall are the first to be set out at this time of year, as the spring period is considered more favorable for successful planting, but as there were requests made during the year for trees, it was thought best to try fall planting as well.

Surface Drainage

Late in the fall of 1915, work was begun widening, straightening and cleaning the main brook from the Malden line to the junction of Ell and Spot Pond Brooks, and this work has been continued during 1916 on the main brook, Spot Pond Brook and Ell Pond Brook.

Cleaning was done in Ell Pond Brook from Wyoming Station to Corey Street, and on Spot Pond Brook the culvert under Wyoming

Avenue was thoroughly cleaned and the brook widened as far as Whittier Street.

The work the past two years shows a remarkable improvement in these brooks as no flooding has occurred since.

Sidewalks

There have been 16,899 linear feet of new edgestone set and 125 linear feet of edgestone reset in connection with which it was necessary to repave 317 square yards of gutters.

There have been 4,018 square yards of granolithic and 1,646 square yards of new tar concrete sidewalks constructed. Under repairs to present walks 1,455 square yards of three coat work, 2,630 square yards of two-coat work and 6,241 square yards of top dressing of tar concrete sidewalks were renewed. Eighteen square yards of granolithic walks were relaid.

Underground Wires

Conduits have been placed on Main Street from the Malden line to the Wakefield line by the Malden Electric Company and the New England Telephone and Telegraph Company, and when the City wires are placed underground the wooden poles on this street can be removed.

This underground work should be continued on Franklin Street, West Emerson Street from Main Street to Vinton Street, Wyoming Avenue from Main Street to the Stoneham line, and on other prominent streets, as soon as practicable. Placing the wires underground will be of great benefit to the street trees as many are being injured by the wires passing through them.

GENERAL ADMINISTRATION

Appropriation.....	\$2,000.00
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Expended

Bookkeeper, part salary.....	\$271.35	
Assistant Superintendent.....	1,200.00	
Timekeeper, part salary.....	469.50	
Holiday time.....	59.15	\$2,000.00

Repairing

Appropriation.....	\$17,500.00	
Street Railway Tax.....	4,100.24	
Snow account.....	2,500.00	
Collections per Treasurer.....	140.96	\$24,241.20

PUBLIC WORKS DEPARTMENT

123

Expended

Minor repairs.....	\$2,693.41	
Snow account.....	5,622.89	
Paving repairs.....	12.19	
Ledge work.....	1,842.68	
Guard rails.....	192.57	
Expense account, hardware sundries.....	348.45	
Street cleaning.....	325.93	
Gravel walks (see table).....	378.94	
Bridges and culverts.....	38.23	
Minor tar repairs.....	176.59	
Garfield Road.....	8.18	
Roller shed.....	351.87	
Street repairs (see table).....	11,698.28	
Insurance and tools.....	541.61	\$24,231.82

Balance.....		\$9.38
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STREET REPAIRING BY LOCATION

Altamont Avenue.....	\$16.75	Hesseltine Avenue.....	\$15.00
Argyle Street.....	5.38	Malvern Street.....	22.08
Ashland Street.....	20.25	Main Street.....	1,390.21
Batchelder Street.....	5.50	Melrose Street.....	232.63
Bartlett Street.....	17.96	Morgan Street.....	11.94
Bellevue Avenue.....	256.60	Mountain Avenue.....	176.95
Botolph Street.....	12.38	Maple Street.....	228.51
Briggs Street.....	4.75	Myrtle Street.....	32.95
Cass Street.....	4.37	Newburyport Turnpike.....	510.21
Corey Street.....	89.90	North Avenue.....	87.07
Cleveland Street.....	73.31	Orient Avenue.....	4.12
Cottage Street.....	165.55	Otis Street.....	15.50
Crescent Avenue.....	17.37	Park Street.....	218.11
East Street.....	105.31	Perkins Street.....	7.87
Emerson Street, East.....	55.89	Pleasant Street.....	425.12
Emerson Street, West.....	292.68	Poplar Street.....	94.91
Essex Street.....	177.61	Porter Street.....	101.31
Eleventh Street.....	100.50	Pratt Street.....	2.50
Elm Street.....	79.54	Ravine Road.....	227.92
Fairview Avenue.....	119.56	Reading Hill Avenue.....	169.44
Florence Street.....	178.16	Richardson Road.....	24.37
Francis Street.....	55.25	Rowe Street.....	5.38
Foster Street, East.....	33.63	Sanford Street.....	9.25
Foster Street, West.....	76.31	Sargent Street.....	32.37
Franklin Street.....	1,134.19	Sixth Street.....	33.12
Green Street.....	277.75	Spear Street.....	202.61
Grove Street.....	55.58	Stratford Road.....	26.62
Greenwood Street.....	122.81	Swain's Pond Avenue.....	384.06
Highland Avenue.....	40.06	Tremont Street.....	41.63
Holland Road.....	108.56	Trenton Street.....	139.37
Hurd Street.....	60.37	Upham Street.....	544.20
Howard Street.....	462.47	Vinton Street.....	327.01
High Street.....	108.38	Waverly Avenue.....	82.20
Hillside Avenue.....	19.00	Washington Street.....	242.00
Laurel Street.....	271.29	Willow Street.....	52.25
Lebanon Street.....	166.80	Woodland Avenue.....	50.44
Linwood Avenue.....	9.50	Wyoming Avenue, West.....	687.75
Lynde Street.....	38.03		
			\$11,698.28

CITY OF MELROSE

GRAVEL SIDEWALKS

Greystone Road.....	\$13.07	Pleasant Street.....	\$89.44
Greenwood Street.....	23.12	Park Street.....	13.38
Lebanon Street.....	64.61	Swain's Pond Avenue.....	69.22
Meridian Street.....	16.98	Tremont Street.....	24.75
Minor repairs.....	28.00	Wyoming Avenue.....	36.37
			\$378.94

EAST EMERSON STREET

Appropriation.....	\$2,000.00
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Expended

Labor and teams.....	\$803.37		
Gravel.....	18.00		
Crushed stone.....	456.00		
Rolling.....	77.50		
Cement.....	1.72		
Tarvia.....	389.00		
Insurance and tools.....	80.64	\$1,829.23	
Balance.....			\$170.77

FIRST STREET

Appropriation.....	\$2,200.00
Expended 1915 account.....	\$1,992.75

Expended 1916

Recording.....	\$3.45		
Labor and teams.....	80.69		
Gravel.....	9.00		
Steam roller.....	24.00		
Insurance and tools.....	11.07	\$128.21	\$2,120.96
Balance.....			\$79.04

EAST FOSTER STREET

Appropriation.....	\$2,400.00
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Expended

Labor and teams.....	\$878.03		
Crushed stone.....	579.00		
Tarvia.....	384.09		
Rolling.....	65.00		
Sand and cement.....	12.26		
Insurance and tools.....	87.80	\$2,006.18	
Balance.....			\$393.82

GARFIELD ROAD

Appropriation.....	\$800.00	
From highway repairing.....	8.18	
		<u>\$808.18</u>

Expended

Labor and teams.....	\$660.62	
Rolling.....	20.00	
Gravel.....	61.50	
Insurance and tools.....	66.06	<u>\$808.18</u>

HENRY AVENUE

Appropriation.....	\$2,800.00	
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Expended

Paved gutters.....	\$355.06		
Macadam:			
Labor and teams.....	\$1,113.62		
Stock.....	1,184.63		
Insurance and tools.....	146.69	<u>\$2,444.94</u>	<u>\$2,800.00</u>

LYNDE AVENUE

Appropriation.....	\$2,300.00	
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Expended

Recording taking.....	\$3.25		
Labor and teams.....	\$1,596.91		
Stock.....	310.67		
Insurance and tools.....	159.69	<u>\$2,070.52</u>	
Balance.....			<u>\$229.48</u>

MARVIN ROAD

Appropriation.....	\$3,000.00	
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Expended

Build wall.....	\$373.72		
Fencing.....	257.15		
Paving.....	842.19		
Macadam.....	1,123.71		
Inside curbing.....	32.98		
Concrete.....	65.18		
Insurance and tools.....	143.55	<u>\$3,000.00</u>	

WARWICK ROAD

Appropriation.....	\$1,000.00	
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CITY OF MELROSE

Expended

Paving blocks.....	\$374.92	
Sand.....	44.00	
Labor and teams.....	280.30	
Insurance and tools.....	28.03	\$727.25
Balance.....		\$272.75

BEVERLY STREET ‡

Appropriation.....	\$1,600.00	
Expended.....	1,493.96	
Balance.....		\$106.04

HOPKINS STREET ‡

Appropriation.....	\$2,600.00	
Expended.....	1,047.65	
Balance.....		1,552.35

‡Not completed.

UNEXPENDED BALANCES

Rubbish cans.....	\$8.48
Pine Street construction.....	5.93
West Foster Street construction.....	.98
Dyer Avenue.....	4.81
On the following appropriations no expenditures have been made:	
Stevens Road.....	\$2,870.00
Harold Street.....	500.00
Pleasant Street.....	5,000.00
Argyle Street.....	500.00
Malvern Street.....	1,300.00
Natalie Avenue.....	1,800.00

STEAM ROLLER ACCOUNT

166½ days to streets at \$5.00 per day.....	\$831.25
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Expended

Coal, wood and oil.....	\$277.89	
Supplies and repairs.....	320.27	
Labor.....	148.50	746.66
Balance to Maintenance Account.....		\$84.59

CRUSHER ACCOUNT

Stock charged where used.....	\$4,037.46	
Coal and oil to other accounts.....	277.50	
To highway repairing.....	1,842.68	\$6,157.64

PUBLIC WORKS DEPARTMENT

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Expended

Coal and supplies.....	\$965.88	
Casting and repairs.....	178.96	
Labor and teams.....	2,657.09	
Stone purchased.....	22.00	
Drilling and ledge work.....	2,333.71	\$6,157.64

STABLE ACCOUNT

Teams charged to streets and other work.....	\$9,091.17
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Expended

Hay and grain.....	\$3,565.37	
Carts and repairs.....	1,172.32	
Harnesses and repairs.....	463.74	
Care of horses, shoeing, medical attendance, etc.....	804.74	
Rent, heat, light and repairs.....	650.60	
Labor.....	2,434.40	\$9,091.17

CROSSWALKS AND PAVING

Balance January 1, 1916.....	\$123.03	
Appropriation.....	2,500.00	\$2,623.03

Expended

Stock, labor and teams.....	\$1,829.43	
Crosswalks, labor and teams.....	104.31	
Paving blocks at yard.....	659.36	\$2,593.10
Balance.....		\$29.93

STREET SPRINKLING

Assessment.....	\$11,156.74
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Watering

Labor and teams.....	\$1,103.90	
Rent of shed.....	45.00	
Labor on schedules.....	7.00	
Repair standpipes.....	16.92	\$1,172.82

Oiling

Alden Spears Sons' Co., oil applied.....	\$7,398.46	
Barrett Mfg. Co., tarvia.....	961.44	
American Tar Co.....	123.62	
Joseph Edwards.....	.75	
Labor and teams, applying sand.....	152.75	
Labor and teams, cleaning for oil.....	1,346.45	\$9,983.4
Total.....		\$11,156.29

CITY OF MELROSE

STREET LIGHTING

Appropriation.....	\$18,848.00	
Supplementary Budget.....	150.00	
From Park Department.....	252.00	\$19,250.00

Expended

Malden Electric Co., contract.....		\$19,223.94
Balance.....		\$26.06

STREET CLEANING

Appropriation.....	\$5,000.00
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Expended

Labor and teams.....	\$3,044.70	
Labor, push carts.....	1,856.05	
Labor, leveling dumps.....	29.22	
Tools and repairs.....	70.03	\$5,000.00

COLLECTION OF ASHES AND RUBBISH

Appropriation.....	\$5,500.00
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Expended

Labor and teams.....	\$4,838.99	
Labor, leveling dumps.....	462.88	
Labor, delivering ash notices.....	59.69	
Printing ash cards.....	14.91	
Liability insurance.....	49.22	\$5,425.69
Balance.....		\$74.31

STREET GUIDE BOARDS AND NUMBERS

Appropriation.....	\$250.00
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Expended

Labor and teams.....	\$62.46	
Signs, iron and hardware.....	173.93	\$236.39
Balance.....		\$13.61

ICE FOR DRINKING FOUNTAINS

Appropriation.....	\$50.00
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PUBLIC WORKS DEPARTMENT

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Expended

Harold Hilton, for ice.....	\$48.00	
Balance.....		\$2.00

INSURANCE

Appropriation.....	\$1,300.00	
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Expended

Premiums on policies.....	\$1,269.99	
Balance.....		\$30.01

PLANTING NEW TREES

Appropriation.....	\$500.00	
Receipts.....	132.00	\$632.00

Expended

T. E. Mollins, labor.....	\$92.31	
Labor and teams.....	156.45	
Loam.....	80.00	
A. M. Tuttle, trees.....	168.75	
Advertising.....	4.00	\$501.51
Balance.....		\$130.49

REMOVAL OF TREES

Linwood Avenue and Washington Street

Appropriation.....	\$50.00	
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Expended

Linwood Avenue.....	\$33.50	
Washington Street.....	16.36	\$49.86
Balance.....		\$ 14

STREETS ORDERED LAID OUT (Under betterment act)

Street	From	To	Width	Length	Date
Argyle St.....	Rogers St.....	Right of Way....	40	289.30	May 5, 1916
Emerson St., E.	Stratford Rd....	Lincoln St.....	50	489.31	July 3, 1916
Garfield Rd....	Porter St.....	Emerson St., E....	50	935.87	April 3, 1916
Harold St.....	Goss Ave.....	Florence Ave.....	40	220.00	Nov. 6, 1916
Hopkins St.....	Lebanon St.....	Forest St.....	40	474.18	July 3, 1916
Stevens Rd....	Perkins St.....	Warwick Rd.....	40	772.94	July 3, 1916

CITY OF MELROSE

CARE OF TREES

Appropriation.....		\$500.00
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Expended

Labor and teams.....	\$467.57	
J. Bennett, irons.....	7.40	
A. M. Tuttle, trees.....	11.25	
Perry & Marston, hardware.....	7.57	\$493.79
Balance.....		\$6.21

CITY HALL

Salaries and Wages

Appropriation.....		\$1,400.00
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Expended

Labor as per pay rolls.....		\$1,358.09
Balance.....		\$41.91

OTHER EXPENSES

Appropriation.....	\$2,500.00	
By collection (sale of paper).....	6.42	\$2,506.42

Expended

Supplies.....	\$311.63	
Repairs.....	850.79	
Coal and Wood.....	583.15	
Electric lighting.....	532.30	
Electric lighting, clock in tower.....	104.56	
Gas lighting.....	46.53	
Plants for vases and beds.....	28.00	
Water rates.....	50.30	\$2,507.26
Deficit.....		\$.84
Amount billed for use of hall.....	\$990.00	

MEMORIAL BUILDING

Salaries and Wages

Appropriation.....		\$1,400.00
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Expended

Salaries and wages, per pay roll.....	\$1,236.75	
Transferred to other expenses.....	158.00	\$1,394.75
Balance.....		\$5.25

OTHER EXPENSES

Appropriation.....	\$1,800.00	
Transferred from salaries and wages.....	158.00	
Collection.....	20	\$1,958.20

Expended

Janitors' supplies.....	\$139.85	
Deering Lumber Co.....	10.67	
American Seating Co.....	12.00	
McDonald, Joslyn Co.....	161.57	
Grading lawn.....	27.00	
Brock Brothers.....	66.01	
Painting.....	630.42	
A. B. Franklin Co.....	38.28	
J. W. McMullen.....	3.68	
M. Steinert Sons' Co.....	3.50	
Locke Coal Co.....	315.13	
Benson Coal Co.....	140.15	
Malden Electric Co., lighting.....	240.40	
Malden & Melrose Gas Light Co.....	33.12	
Paine Furniture Co.....	26.55	
Water rates.....	27.03	
Damages, Asa Child.....	75.00	\$1,950.36
Balance.....		\$7.84

Amount billed for use of Auditorium and G. A. R. Hall:

Auditorium.....	\$2,751.66
G. A. R. Hall.....	681.64
	\$3,433.30

CONTINUOUS SIDEWALKS

Appropriation.....	\$20,000.00	
Balance January 1, 1916.....	2,091.72	
Receipts.....	5,848.95	\$27,940.67

Expended

Labor and teams.....	\$4,746.70	
Highway Division, stock and invoices.....	717.21	
Sewer Division, stock.....	25.36	
Granolithic, concrete and sodding, repairs.....	7,231.16	
Individual walks, transfer.....	69.97	
Lumber.....	25.32	
Edgestones.....	11,921.90	
Carpenter work.....	22.50	\$24,760.12
Balance.....		\$3,180.55

INDIVIDUAL WALKS

Appropriation.....	\$1,000.00	
Balance January 1, 1916.....	559.47	
Collections—Total.....	\$1,200.00	
Less Refunds.....	188.94	1,011.28
		\$2,570.75

CITY OF MELROSE

Expended

Labor and teams.....	\$276.59	
Edgestones.....	688.55	
Granolithic, concrete and sodding, repairs.....	897.92	
Inspection.....	41.25	
Insurance and tools.....	25.50	
Sewer stock.....	3.56	
	\$1,933.37	
Less transfer to continuous walks.....	69.97	\$1,863.40
Balance.....		\$707.35

REPAIR PRESENT WALKS

Appropriation.....	\$5,000.00	
Collections.....	12.77	\$5,012.77

Expended

Minor repairs.....	\$352.98	
Liability insurance.....	14.61	
Concrete repairs.....	4,518.03	
Granolithic repairs.....	7.33	
Sodding.....	72.91	\$4,965.86
Balance.....		\$46.91

CONTINUOUS WALKS—1916 (One-half cost assessed to abutters.)

Street	Side	From	To	Edges—one		Blocks	Granolithic		Concrete	Sod
				Straight	Curved		Walks	Drives	Yards	Feet
Argyle St.	Both.	Rogers St.	Right of Way.	572.20	25.40	2	...	...	...	1356
Bartlett St.	Both.	Everett St.	South.	399.50	...	2	309.89	10.89	...	...
Beverly St.	East and North	Rowe St.	Porter St.	426.15	12.20	6	297.31	28.13	...	1211
Beverly St.	West and South	Rowe St.	Porter St.	515.10	12.50	4	...	...	...	...
Boardman Ave.	Both.	Main St.	Hawes Ave. N.	1,283.47	12.80	20	760.73	105.85	...	4,456
Chestnut Pk.	North.	Chestnut St.	East.	170.60	12.60	...	...	...	...	...
Cottage St.	West.	At Hurd St.	...	...	12.50	...	...	...	...	4,491
Crescent Ave. and Wash. St.	North and East	Northeast corner	...	304.60	13.60	6	...	...	213.45	781
Cutter St.	West.	Sanford St.	Baxter St.	282.25	25.45	6	169.45	24.96	...	955
Emerson St. E.	Both.	Stratford Rd.	Lincoln St.	846.40	47.30	4	79.27	10.64	...	676
Everett St.	North.	Pleasant St.	Crescent Ave.	442.50	116.60	2	234.44	10.64	...	1,526
Fairview Ave.	West and South	Reading Hill Ave.	Pierce est.	305.50	120.10	8	...	...	...	...
Foster St. E.	No. 347	...	...	...	...	...	...	...	36.38	...
Garfield Rd.	West.	Franklin St.	Wakefield line.	7.00	...	...	...	...	...	...
Greenwood St.	East.	Franklin St.	...	868.80	48.00	18	...	...	...	1,635
Lebanon St.	West.	No. 366	...	55.55	...	...	...	...	...	...
Lincoln St.	West.	At Stewart's	West.	...	...	...	43.72	10.09	...	261
Malvern St.	...	Faxon St.	Porter St.	593.40	95.70	...	107.89	...	...	444
Malvern St.	Both.	Linwood Ave.	Lebanon St.	296.70	44.25	2	...	...	...	...
Malvern St.	Both.	Potter St.	West.	...	...	...	...	...	...	...
Maple St.	...	Tappan St.	...	...	...	...	...	...	475.30	...
Meridian St.	West.	No. 106	...	55.50	...	...	36.70	...	...	132
Perkins St.	North.	Lynn Fells Pkwy W.	Warwick Rd.	1,105.40	90.20	6	649.05	40.51	...	5,784
Porter St.	...	No. 56 and No. 61	...	...	...	...	...	...	115.33	...
Reading Hill Ave.	South.	Fairview Ave.	East line No. 33	139.40	13.70	2	...	...	...	...
Richardson Rd.	North.	End present walk.	Renwick Rd.	103.40	40.00	...	70.73	...	...	281
Sewall Woods Rd.	North.	Dyer Ave.	15 Sewall Woods Rd.	794.90	210.10	6	...	...	...	...
Sixth St.	East.	Laurel St.	E. line E. M. Wood.	375.20	12.70	2	...	...	240.28	...
Stevens Rd.	Both.	Perkins St.	Warwick Rd.	1,277.20	252.47	8	...	...	...	...
Trenton St.	Both.	Wyoming Ave. W.	Hurd St.	746.60	25.20	12	390.05	55.98	...	2,114
Trenton St.	Both.	Foster St. W.	Hurd St.	1,274.20	25.30	26	...	...	...	2,933
Trenton	...	...	...	...	...	...	...	...	52.22	...
Upham St.	South.	No. 195	No. 203	174.80	...	2	107.95	13.96	...	901
Warwick Rd.	Both.	Dyer Ave.	Sears Ave. N. Stevens Rd.	676.00	133.90	10	...	...	...	...

INDIVIDUAL WALKS 1916

Abutors	Location	Lin. Ft. Edgestones			Sq. Yards. Concrete	Granolithic		Sq. Ft. Sodd.
		Straight	Curved	Blocks		Walk	Drive	
Bay State Realty Co.	W. Foster St.	9.00	.....	.....	4.44	.....	.....	.....
H. C. Blackmer	Holland Rd.	Driveway	.....	2	.....	.....	6.44	.....
H. Bennett	29 Vinton St.	Driveway	.....	2	4.66	.....	.....	.....
M. B. Bean	Chestnut St.	Driveway	.....	.....	5.00	.....	.....	.....
E. S. Conrad	543 Lebanon St.	67.40	.....	.....	.....	33.42	.....	212
A. L. Danforth	90 Vinton St.	117.40	57.40	.....	.....	105.39	.....	339
A. F. Evers	46 Ferdinand St.	Driveway	.....	.....	.....	.....	.....	.....
Alice E. and Ellen M. Jones	164 Wyoming Ave.	Driveway	.....	.....	1.92	.....	.....	.....
R. T. Hay	81 Stratford Rd.	Driveway	.....	.....	.....	.....	3.42	.....
J. N. Hopkins	133 Trenton St.	110.80	.....	2	.....	71.15	11.07	277
G. E. Johnson	73 Garfield Rd.	90.00	.....	2	.....	.....	.....	.....
Kanter & Altman	28 Grove St.	Driveway	.....	.....	3.00	.....	.....	.....
E. C. Lang	174 E. Emerson St.	177.40	15.70	4	.....	111.14	27.45	1030
Clarence M. Loud	83 Stratford Rd.	Driveway	.....	.....	.....	.....	3.00	.....
Matilda L. Bean	28 Chestnut St.	Driveway	.....	.....	3.00	.....	.....	.....
Gifford Merrill	137 E. Emerson St.	60.20	.....	.....	.....	.....	.....	.....
G. C. Mower	90 Vinton St.	5.60	.....	2	.....	33.90	10.60	298
C. G. Stebbins	76 Meridian St.	68.50	.....	2	.....	14.58	15.55	56
H. Schreiner	66-68 Hillside Ave.	60.60	.....	4	55.66	47.67	10.84	168
Nellie O. Southwick	Highland Ave. W.	Driveway	.....	2	.....	.....	.....	.....
R. C. Wallace	42 Morgan St.	Driveway	.....	2	.....	.....	3.77	.....
Frederic Whiton	503 Lebanon St.	Driveway	.....	.....	.....	.....	.....	.....

SEWER DIVISION SEWER CONSTRUCTION

Appropriation.....	\$10,000.00	
Balance January 1, 1916.....	5,469.49	
Stock balance Jan. 1, 1916.....	3,849.27	
Receipts.....	252.00	
Collections.....	84.07	\$19,654.83

Expended

Sewers (see table for streets).....		\$4,284.07
Balance.....		\$15,370.76
Ledger balance.....	\$9,802.90	
Stock balance.....	5,567.86	
	<u>\$15,370.76</u>	

STOCK ACCOUNT

Stock Balance Jan. 1, 1916.....	\$3,849.27	
Stock Purchased:		
Sewer pipe.....	2,944.63	
Cement.....	384.81	
Brick.....	564.12	
Casting.....	838.84	
Sundries (including yard rent and lumber).....	296.42	
Labor at yard.....	235.39	9,113.48
Stock used on sewers.....	\$369.08	
Stock used by other divisions and sold.....	3,176.54	3,545.62
Balance.....		<u>\$5,567.86</u>

COST OF SYSTEM

Construction to Jan. 1, 1916.....	\$474,463.02
Construction in 1916.....	4,284.07
Total.....	<u>\$478,747.09</u>

SEWER MAINTENANCE

Appropriation.....	\$1,200.00	
Collections by Treasurer.....	42.34	\$1,242.34

Expended

Deficit 1915 account.....	\$.50	
Cleaning and repairing, labor and teams.....	1,100.19	
Stock used.....	104.38	\$1,205.07
Balance.....		<u>\$37.27</u>

PRIVATE SEWERS

There have been eighty-two connections made with the main sewers the past year, making a total to January 1, 1917 of 3,293. (Cost of private sewers paid for by applicant.)

Expended

Labor as per pay rolls.....	\$1,856.18	
Stock, insurance and tools, sewer construction.....	851.67	
Stock and Teams, Highway Division.....	75.57	
Stock, P. M. Grovestein.....	.96	
Stock, Water Division.....	.50	
Concrete, C. L. Hoffman & Son.....	2.98	\$2,787.86

SEWER CONSTRUCTION—1916

Street	Location	Pipe		Man Holes
		Size Inches	Length Feet	
Geneva Rd.....	Upham St., south.....	6	203	1
Leonard's Ct.....	Off E. Foster St.....	6	25	0
Lynn Fells P'kw'y	From opp. Charles St., easterly.....	6	73	0
*Maple Pl.....	Maple St., north.....	6	68	0
Sixth St.....	Laurel St., north.....	6	184	1
*Washington St...	Trenton St., northerly.....	8	265	2
Total.....			818	4

*Not finished

Sewers Built to January 1, 1917

No. of feet	6 inch pipe	119,831
"	8 " "	52,891
"	10 " "	17,529
"	12 " "	10,281
"	15 " "	3,839
"	18 " "	5,150
"	20 " "	2,788
"	24 " "	1,213
"	18 x 20 inch brick	3,035
"	20 " "	111
"	24 " "	28
		216,696

Note:—Total length of sewers 216,696 ft. or 41.04 miles, 2.4 miles of which are owned and controlled by the Commonwealth of Massachusetts, but by an Act of the Legislature, Melrose is permitted to use in the same manner as the local sewers.

SURFACE DRAINAGE

Construction

Appropriation.....	\$15,000.00	
Balance Jan. 1, 1916.....	1,673.06	
Receipts.....	37.11	\$16,710.17

Expended

Construction 1916.....	\$11,625.74
Balance.....	\$5,084.43

MAINTENANCE

Appropriation.....	\$2,500.00	
For brooks.....	500.00	\$3,000.00

Expended

Cleaning catch basins.....	\$1,163.66	
Cleaning Brooks:		
Labor and teams.....	\$1,379.66	
Stock and tools.....	122.35	
Damages.....	15.00	\$1,517.01
Repair Catch Basins and Drains-		
Labor and teams.....	251.05	
Stock.....	24.93	\$275.98
Liability Insurance.....	43.35	\$3,000.00

SURFACE DRAINAGE CONSTRUCTION—1916

Street	Location	Pipe		Manholes	Catch Basins
		Feet	Size		
Beverly Street.....	Rowe St., easterly.....	356	12	2	3
Boardman Avenue.....	At Hawes Avenue.....				1
Crystal Street.....	Parkway, southerly.....	44	10		1
Cuttler Street.....	Cor. Sanford Street.....				1
E. Emerson Street.....	Garfield Road, easterly to low point.....	130	20	1	2
W. Emerson Street.....	At Myrtle Street.....				1
E. Foster Street.....	Ell Pond Brook, easterly.....	496	12	2	5
Garfield Road.....	Low point to Emerson Street.....	705	20	2	2
Lynde Avenue.....	At low point.....	15	12		2
Melrose Street.....	Lynn Fells Parkway to Main Street.....	316	12	3	
Main Street.....	At low point near Linden Road.....			2	1
Orris Street.....	Cor. Sears Avenue.....				1
Perkins Street.....	At Warwick Road.....				1
Sears Avenue.....	Orris Street, westerly.....	266	12	1	
Trenton Street.....	At Wyoming Avenue.....				2
Vinton Street.....	Cor. Oakland Street.....				1
Waverly Avenue Extension.....	At Brook.....	18	18		
Warwick Road.....	At low point.....				1
Willow Street.....	At low point.....	18	10		1
Youle Street.....	At low point.....				2
	Total.....	2365		13	28

PUBLIC WORKS DEPARTMENT

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SUMMARY OF IMPROVED SURFACE DRAINAGE CONSTRUCTED TO JAN. 1, 1917

8 inch Akron Pipe	646 lin. ft.	
10 " " "	3,000 " "	
12 " " "	25,625 " "	
15 " " "	14,604 " "	
16 " Iron "	284 " "	
18 " Akron "	5,929 " "	
20 " Iron "	120 " "	
20 " Akron "	5,232 " "	
24 " " "	1,936 " "	
Brick Conduit.	659 " "	
Concrete Conduit	8,894 " "	
Number of concrete culverts.....	5	
" " manholes.....	318	
" " catchbasins.....	553	
Cost of system to Jan. 1, 1916.		\$187,552.43
Construction.....		11,623.60
Cost of system to Jan. 1, 1917.		\$199,176.03
Total length of Improved Surface Drains.....	12.68 miles.	

ENGINEERING DIVISION

Salaries and Wages

Appropriation.....	\$3,500.00	
Received from Cemetery Dept.....	34.69	\$3,534.69

Expended

Salaries as per pay roll.....		\$3,534.36
Balance.....		\$.33

Other Expenses

Appropriation.....	\$325.00	
Received from Cemetery Dept.....	63.60	\$388.60

Expended

Supplies.....	\$226.83	
Repair instruments.....	10.80	
Grade stakes.....	50.00	
Maps, Makepiece.....	9.06	
Horse hire.....	44.00	
Expenses on Deeds.....	37.64	\$378.33
Balance.....		\$10.27

SYNOPSIS OF WORK DONE**Highway Division**

Street lines and grades given for construction of new streets, including gutters, crossings, guard rails, etc., and record plans made of same.

Sewer Division

Estimates have been rendered, lines and grades given, records kept of "Y" locations, plans and profiles made, and schedules for assessing all sewers constructed.

Water Division

Estimates have been made and lines given for water mains, constructed and relaid. For locations, lengths and size of mains see tables under "Water Division".

Surface Drainage

Surveys, computations and plans have been made, lines and grades given, and records kept of "Y" locations of all new work constructed.

Wyoming Cemetery

Forty-five lots have been surveyed, a plan of each lot made and blue prints of same furnished the Cemetery Department. Lines and grades for driveways have been given. General plan of Cemetery showing lots has been corrected to date.

Sidewalks

Plans and profiles have been made, lengths and radii of curbing computed, work measured and schedules for assessment made.

Assessment Plans

New buildings have been plotted. Common and private sewers have been constructed and sewer assessment data recorded on plans.

Street Numbering

All new houses have been located and numbered. Numbers have been furnished and put on 51 buildings.

CLASSIFICATION OF EXPENDITURES

Highways:

Comprising plans, estimates, titles, profiles, lines and grades, and all other engineering work relating to the Department. \$481.64

Continuous Walks. \$1,346.38

Sewers:

Comprising surveys, estimates, profiles, lines and grades, plans and assessments, and all other engineering work relating to sewers. \$196.95

Surface Drainage:

Comprising lines, grades, surveys and plans of all surface drainage work. \$150.15

Water Works:

Comprising lines, locations of mains, plotting of new mains, etc., on city water map. \$219.83

Street Numbering:

Location of buildings, numbering plans, and affixing street numbers on houses. \$54.00

Street Signs: \$34.99

Street Lines and Grades for Abutters:

Street lines and grades have been given for sixty abutters \$233.16

Assessment Plans. \$237.99

Office Work:

Records of locations, indexing, calculating, and general draughting. \$938.30

Wyoming Cemetery:

Comprising line and grade of lots surveyed, plans of lots made, etc. \$94.33

Miscellaneous. \$259.28

\$4,247.00

In conclusion I desire to express my appreciation to His Honor, the Mayor, the Board of Aldermen, and the City Officials, for courtesies extended, and to the employees of this Department for their co-operation.

Respectfully submitted,

GEORGE O. W. SERVIS,

Engineer and Superintendent of Public Works.

MLEROSE, MIDDLESEX COUNTY, MASSACHUSETTS

Location, 7 miles north of Boston.

Population, April 1, 1916.....17,314

Number of voters.....3,652

Number of polls.....4,949

Greatest extent of city north and south.....2.44 miles

Greatest extent of city east and west.....2.95 miles

Valuation of Real estate.....\$16,849,350.00

Valuation of Personal.....\$2,795,800.00

Tax rate per thousand.....\$22.00

Area of City3,115.00 acres

Land.....3,079.50 acres

Water.....35.50 acres

Length of public streets.....48.45 miles

Length of private streets.....15.10 miles

Total length of water mains.....54.79 miles

Total length of sewers.....41.04 miles

Range of pressure on mains.....from 100 lbs. to 23 lbs.

Number of 200 candle power incandescent lights.....52

Number of 40 candle power incandescent lights.....743

Number of luminous arcs 14 all night

18 to midnight.....32

Areas of Parks:

Melrose Common.....4.4 acres

Sewall Woods Park.....9.0 acres

Ell Pond Park.....25.50 acres

Pine Banks Park.....81.7 acres

Middlesex Fells.....170.0 acres

Area of Wyoming Cemetery.....43.5 acres

Elevation Main Street at City Hall, 61 feet above mean low water.

Elevation Franklin Square, 85 " " " " " "

City Clerk's Annual Report

To His Honor, the Mayor and the Board of Aldermen.

Gentlemen:—In accordance with the City Ordinances, I have the honor to transmit herewith the Annual Report of the City Clerk's Department, the same being for the municipal year ending December 31st, 1916, and the payments of the same to the proper authorities.

Licenses and fees received in the City Clerk's Department, January 1, 1916 to December 31, 1916:

174 Marriage Intentions.....	\$174.00
122 Mortgages.....	91.50
41 Release of Mortgages and Certificates.....	10.25
10 Junk Collectors' Licenses.....	100.00
12 tables Pool and Billiards' Licenses.....	60.00
79 Renewal of Gasoline Licenses.....	39.50
3 Bowling Alleys.....	30.00
22 Express and Jobbing Licenses.....	22.00
Miscellaneous papers.....	35.20
6 Hackney Carriage Licenses.....	6.00
5 Drivers' Licenses.....	5.00
8 Auctioneers' Licenses.....	16.00
1 Private Detective.....	10.00
2 Intelligence Offices.....	2.00
5 Itinerant Musicians.....	5.00
1 Boat Livery.....	1.00
1 Gunpowder and Firearms.....	1.00
1 Gasoline License.....	1.00

Total of Fees.....	\$609.45
--------------------	----------

Paid City Treasurer.....	\$609.45
--------------------------	----------

Appropriation in Budget for City Clerk's Department, Salaries and wages.....	\$1,800.00
--	------------

Salaries paid as per Auditor's report.....	1,800.00
--	----------

Appropriation in Budget for City Clerk's Department, Other Expenses.....	\$518.00
--	----------

Bills paid as per Auditor's report.....	517.63
---	--------

Balance December 31, 1916.....	\$.37
--------------------------------	--------

Appropriation in City Clerk's Department Budget, Vital Statistics.....	\$220.00
--	----------

Bills paid as per Auditor's report.....	219.75
---	--------

Balance December 31, 1916.....	\$.25
--------------------------------	--------

Appropriation in the Budget for printing and distributing the City Report.....	\$500.00
Bills paid as per Auditor's report.....	475.73
Balance December 31, 1916.....	24.27
Appropriation in the Budget for Elections and Registration, Salaries and Wages.....	\$1,876.00
Bills paid as per Auditor's report.....	1,795.18
Balance December 31, 1916.....	\$80.82
Election and Registration, Other Expenses.....	\$1,170.00
Bills paid as per Auditor's report.....	1,083.87
Balance due December 31, 1916.....	\$86.13

DOG LICENSES

582 Male dogs at \$2.00.....	\$1,164.00
70 Female dogs at \$5.00.....	350.00
1 Breeder's License at \$25.00.....	25.00
	\$1,539.00
653 Licenses less fees, 20c each.....	130.60
	\$1,408.40
June 5, 1916, Paid County Treasurer.....	\$1,161.80
Dec. 4, 1916, Paid County Treasurer.....	246.60
	\$1,408.40

HUNTERS' LICENSES

Total number of licenses issued, 207 at \$1.00.....	\$207.00
---	----------

Respectfully submitted,

W. DeHAVEN JONES,

City Clerk

Report of Registrars of Voters

Melrose, Mass., Dec. 31, 1916

To His Honor, the Mayor, and the Board of Aldermen.

Gentlemen:—This being a Presidential year the Registrars of Voters held forty-nine meetings during 1916.

The annual meeting was held on July 21, 1916 in the City Clerk's office.

Edwin L. Cragi, having been reappointed by His Honor, the Mayor, for a three-year term, and confirmed by the Board of Aldermen, was sworn into office by the City Clerk at this meeting.

March 18, 1916 the Registrars certified several papers for delegates to the National Convention—320 names.

April 20, 1916, last day for registration for the National Primary from 12 o'clock noon, until 10 o'clock p.m. Completed list as follows:

Males

Wards	1	2	3	4	5	6	7-1	7-2	Totals
Apr. 20, 1916	479	630	500	426	442	621	442	112	3652

April 25, 1916—National Primary.

The Jury List was prepared by the Registrars on July 28, 1916, and one hundred and eighty-eight names were placed on the list for drawings.

Twelve meetings were used up in revising the voting lists in accordance with the Assessor's returns, two hundred and thirty-nine names were dropped, and the lists when revised were as follows:—

Males

Wards	1	2	3	4	5	6	7-1	7-2	Totals
Aug. 21, 1916	444	582	482	410	415	571	415	96	3415

The State Primary was held on the 26th of September, 1916.

The Registrars held many meetings, and one a week, each Saturday as required by law, during the month of August, for the purpose of certifying nomination papers, they certified about 4,000 names for the State Election, and over 3,000 names for the city election, making about 7,000 names in all.

State Election

Meetings held for registration, the voters for the State Election, November 7, 1916. Daily sessions (except Sundays and holidays, Monday, September 25th, and Tuesday, September 26th) for registration of qualified voters will be held in the office of the City Clerk, City Hall, Melrose, during regular office hours (i. e. from 8 a.m. to 5 p.m., Saturdays 8 a.m. to 12 m.) beginning Thursday, August 17th, and ending Wednesday, October 18th.

The following evening sessions were held in the Aldermanic Chamber, City Hall, Melrose, Mass.

Friday,	September 15, 1916,	from 7 p.m. to 10 p.m.
Tuesday,	" 19	" " " " "
Tuesday,	October 3,	" " " " "
Tuesday,	October 10,	" " " " "

Final Session

Wednesday, October 18th, from 12 noon until 10 o'clock p.m. (when Registration ceased).

Males

Wards	1	2	3	4	5	6	7-1	7-2	Totals
Totals	480	647	523	450	457	606	448	107	3718

For City Election

Daily sessions were held in the office of the City Clerk, City Hall, Melrose, Mass., beginning Monday, November 13th, and ending Wednesday, November 22d, 1916.

The following evening sessions were held in the Aldermanic Chamber, City Hall, Melrose, Mass., Tuesday, November 14th, from 7 p.m. to 10 p.m.

Final Session

Wednesday, November 22d, from 12 noon, until 10 o'clock p.m. (when registration ceased).

Males

Wards	1	2	3	4	5	6	7-1	7-2	Totals
Nov. 22, 1916	483	655	524	454	457	610	455	107	3745

CITY OF MELROSE

Females

Wards	1	2	3	4	5	6	7-1	7-2	Totals
Nov. 22, 1916	41	47	46	104	55	55	14	9	371

Respectfully submitted,

EDWIN L. CRAGIN

JOHN J. KEATING

EDWIN J. TIRRELL

W. DeHAVEN JONES

Registrars of Voters

Report of City Solicitor

March 5, 1917

Hon. Charles H. Adams, Mayor, Melrose, Mass.

Dear Sir:—I have the honor to submit the following report of the law department for the past year.

At the beginning of the year there were twelve cases pending against the city, to wit, the cases of

L. B. Rowe, <i>Adm.</i>	<i>vs.</i> Melrose
John Brooks	“ “
Charles S. Boyce	“ “
Catherine Thompson	“ “
William H. Grant	“ “
A. Mildred Randall	“ “
Max Steinberg	“ “
Gertrude Steinberg	“ “
Arthur W. Howard	“ “
Daniel T. Sinnott	“ “
Levi S. Gould, <i>et al</i> , <i>Trustees</i>	“ “
Edward J. Blanchard	“ “

Of these cases two have been settled during the year. The case of Edward J. Blanchard was settled out of court, and the case of Daniel T. Sinnott et al, was settled after trial begun and the plaintiff's case heard.

No new cases have been brought against the city during the year.

Six accidents upon the highways have given rise to claims against the city during that period. The circumstances were investigated, and in each instance liability was denied. Nothing further has been done by the claimants, though the attorneys for one of them may yet bring suit.

Two claims were made against the city during the year for damages caused by blasting. One was denied and has apparently been dropped. In the other a settlement was arrived at which has not yet been actually carried into effect.

In addition to the Blanchard and Sinnott cases mentioned above, which were based upon damages caused by flooding, settlement has been made of five claims brought during 1915 for flood damages suffered during that year. One claim of this nature brought in 1915 and two brought in 1916 were rejected and apparently have been dropped.

Eighty-six different matters have been referred to me for action or consideration during the year by various boards and officials, and in addition the usual amount of time has been consumed with committee meetings, department investigation, attendance at legislative hearings, attendance before the Public Service Commission, etc.

I take this occasion to suggest for your consideration the advisability of having the city ordinances revised and compiled, bringing them down to date complete in one volume.

At the present time we are dependent upon the volume of revised ordinances issued in 1910 with numerous changes, additions and substitutions contained in separate pamphlets, with many ordinances not yet in printed form. Since the last revision of the ordinances many changes in the law have been made by the Legislature, new powers and duties have been conferred and imposed on cities and we have created new offices and made other changes in the fabric of our city government.

In view of these facts it would, in my opinion, aid greatly to avoid confusion and to increase the correctness of our methods of administration if such a revision or compilation were made.

Respectfully submitted,

ARTHUR S. DAVIS,
City Solicitor

Report of City Collector

January 2, 1917

To the Honorable Board of Aldermen, City of Melrose:—

I hereby submit the Seventeenth Annual Report of Collector's Office.

1912

Paid Treasurer Interest.....	\$2.05
------------------------------	--------

1913

Uncollected Dec. 31, 1915.....	\$1,660.92	
Additional.....	2.00	
Interest.....	219.24	
	\$1,882.16	
Transfer from 1912.....		\$150.34
Abated 1916.....		17.60
Paid Treasurer Tax and Interest.....		1,711.78
Uncollected.....		2.44
		\$1,882.16

1914

Uncollected Dec. 1, 1915.....	\$53,467.35	
Additional.....	86.80	
Interest 1916.....	4,271.88	
	\$57,826.03	
Abated 1916.....		\$936.32
City Takings.....		5,636.60
City Possessions.....		478.48
Paid Treasurer Tax and Interest.....		48,697.67
Uncollected.....		2,076.96
		\$57,826.03

1915

Uncollected Dec. 5, 1915.....	\$186,941.23	
Interest 1916.....	4,296.86	
	\$191,238.09	
Abated.....		\$2,419.25
Paid Treasurer Tax and Interest.....		127,485.82
Uncollected Dec. 31, 1916.....		61,333.02
		\$191,238.09

CITY OF MELROSE

1916

Warrant.....	\$442,091.00	
Additional.....	22,542.12	
Interest.....	281.82	
	\$464,915.24	
Abated.....		\$5,124.60
Paid Treasurer Tax and Interest.....		273,903.45
Uncollected Dec. 31, 1916.....		185,287.19
		\$464,915.24

SIDEWALK AND CURBING

Paid Treasurer Tax and Interest.....		\$6,117.37
Apportioned.....	\$2,583.62	
Non-apportioned.....	3,249.07	
Interest.....	284.68	
	\$6,117.37	\$6,117.37

WATER RATES

1910.....	\$2.74
1911.....	8.52
1912.....	40.27
1913.....	56.39
1914.....	250.64
1915.....	6,717.37
1916.....	41,358.73
Summons.....	119.40
	\$48,554.06

MOTH ACCOUNT

1913.....	\$1.80
1914.....	11.20
1915.....	309.69
1916.....	138.58
	\$461.27

STREET WATERING

1913.....	\$19.80
1914.....	1,196.48
1915.....	3,101.83
1916.....	6,273.32
	\$10,591.43

BETTERMENTS

Paid Treasurer Tax and Interest		\$2,332.61
Cash	2,056.56	
Interest	276.00	
	\$2,332.61	\$2,332.61

SEWER ACCOUNT

Paid Treasurer Tax and Interest		\$2,951.54
Apportioned	\$1,701.58	
Non-apportioned	646.99	
1898 Sewer Suspended	121.03	
Interest	481.94	
	\$2,951.54	\$2,951.54

SUNDRY COLLECTIONS

Surplus R. E. Sale	\$139.20
Collector's Receipts	1,698.02
Excise Tax	2,446.24
	\$4,283.46

REDEMPTIONS

Year	Tax	Interest	St. Wat.	Moth
1910	\$46.56	\$17.48	\$2.80	} \$11.60
1911	579.87	207.30	17.70	
1912	2,089.47	586.75	81.11	
1913	2,842.22	511.75	101.45	
1914	758.41	99.31	32.47	
Tax Possessions	464.86	228.97		
	6,781.39			
	1,651.78	\$1,651.78		
	235.53		235.53	
	11.60			\$11.60
	\$8,680.30			

RECAPITULATION

1912 Tax and Interest.....	\$2.05
1913 " ".....	1,711.78
1914 " ".....	48,697.67
1915 " ".....	127,485.82
1916 " ".....	273,903.45
Water.....	48,554.06
Moth.....	461.27
Street Watering.....	10,591.43
Betterments.....	2,332.61
Sewers.....	2,951.54
Sidewalks.....	6,117.37
Redemptions.....	8,680.30
Sundry Collections.....	4,283.46
	\$535,772.81

Respectfully submitted

JAMES W. MURRAY,
Collector of Taxes

Report of City Treasurer

Melrose, Mass., March 8, 1917

To the Honorable, the Mayor and Board of Aldermen:—
Gentlemen:—

As required by Chapter 5, Section 3, Revised Ordinances I submit herewith my report of cash receipts and payments for the year 1916, "showing the different sources of the City revenue and the amounts received from each", together with lists showing all outstanding notes and bonds, and a report of the Cemetery Trust Fund, with a list of the securities in which the fund is invested.

Respectfully submitted,

W. R. LAVENDER,
City Treasurer

CASH STATEMENT FOR THE YEAR 1916

Balance in banks and office January 1, 1916.....	\$19,376.59
Receipts for year 1916 as per detailed statement herewith	1,321,939.31
Total payments for year 1916, for details see report of City Auditor	\$1,341,315.90
Balance in banks and office December 31, 1916.....	\$30,819.25

PERMANENT LOANS OUTSTANDING DECEMBER 31, 1916

Purpose	Order No.	Date	Due	Rate	Amount
Bennett's Dam	4002B	Aug. 1, 1908	Aug. 1, 1917	4%	\$1,000.00
" "	4002B	Aug. 1, 1908	Aug. 1, 1918	4%	1,000.00
Continuous Sidewalks	7333	Oct. 5, 1912	Oct. 5, 1917	4%	2,000.00
Auditorium Building	7383	Oct. 24, 1912	Oct. 24, 1917	4%	1,000.00
Comb. Chem and Runabout	7491	July 7, 1913	July 7, 1917	4%	1,000.00
" " " "	" "	" "	July 7, 1918	4%	1,000.00
" " " "	" "	" "	July 7, 1919	4%	1,000.00
Main Street Macadam	7762	July 1, 1913	July 1, 1917	4½%	2,500.00
" " " "	" "	" "	July 1, 1918	4½%	2,500.00
" " " "	" "	" "	July 1, 1919	4½%	2,500.00
" " " "	" "	" "	July 1, 1920	4½%	2,500.00
" " " "	" "	" "	July 1, 1921	4½%	2,500.00
" " " "	" "	" "	July 1, 1922	4½%	2,500.00
" " " "	" "	" "	July 1, 1923	4½%	2,500.00
Spear St., building of	7187A	Oct. 10, 1913	Oct. 10, 1916	4 1-8 %	1,000.00
" " " "	" "	" "	Oct. 10, 1917	4 1-8 %	1,000.00
" " " "	" "	" "	Oct. 10, 1918	4 1-8 %	1,000.00
Church and Hancock		" "			
Sts., building of	6529A	Dec. 1, 1913	Dec. 1, 1917	4%	550.00
" " " "	" "	" "	Dec. 1, 1918	4%	550.00
" " " "	" "	" "	Dec. 1, 1919	4%	550.00
" " " "	" "	" "	Dec. 1, 1920	4%	550.00
" " " "	" "	" "	Dec. 1, 1921	4%	550.00
" " " "	" "	" "	Dec. 1, 1922	4%	550.00
" " " "	" "	" "	Dec. 1, 1923	4%	550.00
Continuous Sidewalks	7761	Sept. 1, 1913	Sept. 1, 1917	4%	2,000.00
" " " "	" "	" "	Sept. 1, 1918	4%	2,000.00
W. Foster St., Macadam	8256	Aug. 20, 1914	Aug. 20, 1917	4½%	700.00
Shelter, Ell Pond Park	8484	Aug. 20, 1914	Aug. 20, 1917	4½%	400.00
Cemetery Trust Fund					
Refunding	8193	Nov. 25, 1914	Nov. 25, 1917	4%	2,000.00
" " " "	" "	" "	Nov. 25, 1918	4%	2,000.00
" " " "	" "	" "	Nov. 25, 1919	4%	2,000.00
" " " "	" "	" "	Nov. 25, 1920	4%	2,000.00
" " " "	" "	" "	Nov. 25, 1921	4%	2,000.00
" " " "	" "	" "	Nov. 25, 1922	4%	2,000.00
" " " "	" "	" "	Nov. 25, 1923	4%	2,000.00
" " " "	" "	" "	Nov. 25, 1924	4%	2,000.00
" " " "	" "	" "	Nov. 25, 1925	4%	2,000.00
" " " "	" "	" "	Nov. 25, 1926	4%	2,000.00
" " " "	" "	" "	Nov. 25, 1927	4%	2,000.00
" " " "	" "	" "	Nov. 25, 1928	4%	2,000.00
" " " "	" "	" "	Nov. 25, 1929	4%	2,000.00
Continuous Sidewalks	8254	Dec. 1, 1914	Dec. 1, 1917	4%	2,000.00
" " " "	" "	" "	Dec. 1, 1918	4%	2,000.00
" " " "	" "	" "	Dec. 1, 1919	4%	2,000.00
Corey St., building of	8577	Mar. 30, 1915	Mar. 30, 1917	4%	1,000.00
" " " "	" "	" "	Mar. 30, 1918	4%	800.00
Grove St., Macadam	8061	Apr. 8, 1915	Apr. 8, 1917	4%	500.00
" " " "	" "	" "	Apr. 8, 1918	4%	500.00
" " " "	" "	" "	Apr. 8, 1919	4%	500.00
" " " "	" "	" "	Apr. 8, 1920	4%	500.00
Pine St., Macadam		May 7, 1915	May 7, 1917	4%	500.00
" " " "	" "	" "	May 7, 1918	4%	500.00
Amount Forward					\$74,250.00

CITY TREASURER'S REPORT

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Amount up						\$74,250.00
Auto Hook and Ladder						
" " Truck 8286	Sept. 1, 1915	Sept. 1, 1917	4%	1,000.00		
" " " "	"	Sept. 1, 1918	4%	1,000.00		
" " " "	"	Sept. 1, 1919	4%	1,000.00		
" " " "	"	Sept. 1, 1920	4%	1,000.00		
Paving Gutters and						
Crossings 9177	Aug. 12, 1915	Aug. 12, 1917	4%	500.00		
" " " "	"	Aug. 12, 1918	4%	500.00		
" " " "	"	Aug. 12, 1919	4%	500.00		
Continuous Sidewalks 8814	Aug. 1, 1915	Aug. 1, 1917	4%	2,000.00		
" " " "	"	Aug. 1, 1918	4%	2,000.00		
" " " "	"	Aug. 1, 1919	4%	2,000.00		
" " " "	"	Aug. 1, 1920	4%	2,000.00		
First St. Construction 8066A	Nov. 25, 1915	Nov. 25, 1917	4%	1,000.00		
Lynde St. Construction 6417A	Mar. 14, 1916	Mar. 14, 1917	4%	1,200.00		
" " " "	"	Mar. 14, 1918	4%	1,100.00		
Marvin Rd. Construction 9345	May 19, 1916	May 19, 1917	4%	1,000.00		
" " " "	"	May 19, 1918	4%	1,000.00		
" " " "	"	May 19, 1919	4%	1,000.00		
Continuous Sidewalks 9563C	June 1, 1916	June 1, 1917	4%	2,000.00		
" " " "	"	June 1, 1918	4%	2,000.00		
" " " "	"	June 1, 1919	4%	2,000.00		
" " " "	"	June 1, 1920	4%	2,000.00		
" " " "	"	June 1, 1921	4%	2,000.00		
E. Foster St., Macadam 9413	Aug. 24, 1916	Aug. 24, 1917	4%	800.00		
" " " "	"	Aug. 24, 1918	4%	800.00		
" " " "	"	Aug. 24, 1919	4%	800.00		
Crosswalks and Gutters 9713	Aug. 24, 1916	Aug. 24, 1917	4%	500.00		
" " " "	"	Aug. 24, 1918	4%	500.00		
" " " "	"	Aug. 24, 1919	4%	500.00		
" " " "	"	Aug. 24, 1920	4%	500.00		
" " " "	"	Aug. 24, 1921	4%	500.00		
Continuous Sidewalks 9735	Aug. 1, 1916	Aug. 1, 1917	4%	1,000.00		
" " " "	"	Aug. 1, 1917	4%	1,000.00		
" " " "	"	Aug. 1, 1918	4%	1,000.00		
" " " "	"	Aug. 1, 1918	4%	1,000.00		
" " " "	"	Aug. 1, 1919	4%	1,000.00		
" " " "	"	Aug. 1, 1919	4%	1,000.00		
" " " "	"	Aug. 1, 1920	4%	1,000.00		
" " " "	"	Aug. 1, 1920	4%	1,000.00		
" " " "	"	Aug. 1, 1921	4%	1,000.00		
" " " "	"	Aug. 1, 1921	4%	1,000.00		
Warwick Rd. Construct. 9633	Aug. 9, 1916	Aug. 9, 1917	4%	1,000.00		
Argyle St., Construction 8622B	Aug. 12, 1916	Aug. 12, 1917	4%	500.00		
Garfield Rd. Construct. 8072B	Aug. 21, 1916	Aug. 21, 1917	4%	800.00		
Henry Ave. Macadam 9392	Sept. 5, 1916	Sept. 5, 1917	4%	1,000.00		
" " " "	"	Sept. 5, 1918	4%	1,000.00		
" " " "	"	Sept. 5, 1919	4%	800.00		
Beverly St. Macadam 9657	Nov. 27, 1916	Nov. 27, 1917	4%	1,000.00		
" " " "	"	Nov. 27, 1918	4%	600.00		
Malvern St. Macadam 9495	Nov. 27, 1916	Nov. 27, 1917	4%	1,300.00		
E. Emerson St. Const'n 9624B	Oct. 11, 1916	Oct. 11, 1917	4%	1,000.00		
" " " "	"	Oct. 11, 1918	4%	1,000.00		

 \$128,950.00

CITY OF MELROSE

TEMPORARY LOANS (TAX NOTES) OUTSTANDING DEC. 31, 1916

Date Due		Number	Amount
April	29, 1917	307	\$1,400.00
April	10, 1917	311	10,000.00
	"	312	10,000.00
	"	313	10,000.00
	"	314	5,000.00
	"	315	5,000.00
	"	316	5,000.00
	"	317	5,000.00
October	25, 1917	318	25,000.00
	"	319	25,000.00
	"	320	10,000.00
June	4, 1917	321	10,000.00
	"	322	10,000.00
	"	323	10,000.00
	"	324	5,000.00
July	24, 1917	329	10,000.00
	"	330	10,000.00
	"	331	10,000.00
	"	332	5,000.00
May	28, 1917	333	18,000.00
			\$199,400.00

CEMETERY TRUST FUND ACCOUNT 1916

Melrose, Dec. 31, 1916

WILLIAM R. LAVENDER, TREASURER
IN ACCOUNT WITH CEMETERY TRUST FUND

Amount of the Fund January 1, 1916.....	\$37,647.50
Additions to Fund in 1916.....	3,920.25
Amount of the Fund December 31, 1916.....	\$41,567.75
Total amount invested in City of Melrose Notes.....	\$38,000.00
Cash in City Treasury awaiting investment.....	3,567.75
	\$41,567.75

W. R. LAVENDER,
City Treasurer

Report of Sinking Fund Commissioner

Melrose, Mass., Feb. 28, 1917

The Honorable, the Mayor and Board of Aldermen, Melrose, Mass.
Gentlemen:—

We submit herewith our report of the operations of the Sinking Funds for the year 1916.

EDWARD J. KITCHING

FRANKLIN P. SHUMWAY

EVERETT L. FULLER

Sinking Fund Commissioners

REPORT WATER LOAN SINKING FUNDS 1916

Melrose, Dec. 31, 1916

Statement Showing Receipts and Payments on account of Water Loan Sinking Fund for the year 1916

Balance cash in bank Jan. 1, 1916..... \$21.21

Receipts

From Coupons.....	\$2,613.50	
Interest on securities owned.....	339.49	
Interest on deposits in bank.....	16.36	
Bonds and notes matured and sold.....	8,932.50	11,901.85
		\$11,923.06

Payments

Bonds and notes bought.....	\$11,100.00	
Premium on Bonds and Notes bought.....	10.10	
Accrued interest on Bonds and Notes bought.....	64.28	
Expenses:		
Commission on bonds sold.....	\$1.25	
Insurance on bonds matured, sent for collection.....	.13	
Rental Safe Deposit box.....	4.00	5.38
		11,179.76
Balance cash in Melrose Trust Co.....		
		\$743.30

W. R. LAVENDER,
Treasurer

LIST OF SECURITIES OWNED BY WATER LOAN SINKING FUND, DEC. 31, 1916

21 Melrose Water Bonds, March 1, 1918, 4%, 438 to 451, 455 to 461.....	\$21,000.00
34 Melrose Water Bonds, July 1, 1925, 4%, 400, 403 to 408, 428 to 437, 410 to 426.....	34,000.00
5 Melrose Surface Drainage Bonds, July 15, 1932, 4%, 76 to 80.....	5,000.00
1 Note City of Melrose, Aug. 20, 1917, 4½%.....	400.00
Part Note City of Melrose (18,000) May 28, 1917, 3½%.....	900.00
1 Bath, Me., Bond, July 1, 1927, 4%, 14.....	500.00
1 Danvers, Mass., Bond, June 1, 1917, 4%, 24.....	1,000.00
2 Northampton, Mass., Pavement Bond, June 1, 1917, 4%, 1 and 3.....	2,000.00
1 Boston & Maine R. R. Bond, April 1, 1929, 4½%, 5165.....	1,000.00
Part 1 Boston Elevated R. R. registered Bond (5,000), Nov. 1, 1941, 4½%, 36	3,000.00
1 Boston Elevated R. R. Bond, registered Nov. 1, 1941, 4½%, 35.....	1,000.00
3 West End Street Ry. Bonds registered Feb. 1, 1917, 4%, 1734 to 1736....	3,000.00
Cash on deposit Melrose Trust Co.....	743.30
	\$73,543.30
1 coupon Boston & Maine R.R., due Oct. 1, 1916, No. 5165, payment refused	22.50
	\$73,565.80

REPORT SEWER LOAN SINKING FUND 1916

Statement Showing Receipts and Payments on Account of Sewer Loan Sinking Fund

for the year 1916

Balance cash in bank Jan. 1, 1916.....	80.15
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Receipts

From Coupons.....	\$9,371.50	
Interest on securities owned.....	987.79	
Interest on deposits in Bank.....	39.97	
City of Melrose for sewer assessments collected.....	3,667.32	
Bonds and notes sold and matured.....	57,180.00	71,246.58
		\$71,326.73

Payments

Bonds and notes bought.....	69,900.00	
Premium on bonds and notes bought.....	20.36	
Accrued interest on bonds and notes bought.....	385.71	
Expenses:		
Commission on bonds sold.....	\$10.21	
Insurance on bonds matured sent for collection..	.1.19	
Rent Safe Deposit box.....	15.00	26.40
		70,332.47
Balance cash in Melrose Trust Co.....		\$994.26

W. R. LAVENDER,

Treasurer

LIST OF SECURITIES OWNED BY SEWER LOAN SINKING FUND, DEC. 31, 1916

14 Melrose Sewer Bonds, June 1, 1924, 4%, No. 1 to 3, 10, 76, 77, 81 to 85, 88, 90, 97.....	14,000.00
10 Melrose Sewer Bonds, June 1, 1917, 4%, 301 to 310.....	10,000.00
52 Melrose Sewer Bonds, June 1, 1925, 4%, 101 to 145, 154 to 160.....	52,000.00
10 Melrose Sewer Bonds, July 1, 1935, 4%, 351 to 360.....	10,000.00
10 Melrose Sewer Bonds, June 1, 1937, 4%, 361 to 370.....	10,000.00
10 Melrose Sewer Bonds, July 1, 1937, 4%, 371 to 380.....	10,000.00
65 Melrose Surface Drainage Bonds, July 15, 1932, 4%, 4 to 60, 93 to 100..	65,000.00
10 Melrose Water Bonds, March 1, 1918, 4%, 463 to 472.....	10,000.00
1 Melrose Sidewalk Note, June 1, 1917, 4%, 4.....	2,000.00
Part 1 Melrose Note (18,000) May 28, 1917, 3½%.....	2,900.00
3 Northampton, Mass., Highway Note, June 1, 1917, 4%, 1 to 3.....	3,000.00
10 Clinton, Mass., Bonds, July 1, 1930, 3½%, 131 to 140.....	10,000.00
6 Wakefield, Mass., Bond, Nov. 1, 1925, 3½%, 90 to 95.....	6,000.00
1 Wakefield, Mass., Bond, Nov. 1, 1926, 3½%, 96.....	1,000.00
1 Los Angeles, Cal., Bond, June 1, 1932, 4½%, 1518.....	1,000.00
1 Los Angeles, Cal. Bond, June 1, 1942, 4½%, 2511.....	1,000.00
6 Los Angeles, Cal., Bonds, Dec. 1, 1917, 4½%, 7485 to 7490.....	6,000.00
8 Boston & Maine R. R. Bonds, April 1, 1929, 4½%, 5166 to 5169, 5171 to 5174.....	8,000.00
15 Fitchburg R. R. Bonds, May 1, 1928, 4½%, 2367 to 2373, 3341 to 3345, 3468, 2469, 3853.....	15,000.00
3 Connecticut River R. R. Bonds, June 1, 1923, 3½%, 841 to 843.....	3,000.00
5 Portland Terminal R. R. Bonds, July 1, 1961, 4%, M 1 to 4, 7.....	5,000.00
3 Boston & Albany R. R. Bonds, May 1, 1933, 4%, 2492 to 2494.....	3,000.00
3 Chicago, Burl. & Quincy R. R. Bonds, July 1, 1949, 3½%, 7695 to 7697	3,000.00
1 West End Street Ry. Bond, Feb. 1, 1917, 4%, 2444.....	1,000.00
1 Boston Elevated R. R. Bond, May 1, 1935, 4%, 21.....	500.00
2 Boston Elevated R. R. Bonds, registered Oct. 1, 1937, 4½%, 100-101....	2,000.00
2 Boston Elevated R. R. Bonds, Nov. 1, 1941, 4½%, 34.....	1,000.00
part 36 (5,000).....	2,000.00
Part Boston Elevated R. R. Bond (5,000), reg. Nov. 1, 1941, 4½%, 39.....	2,500.00
Cash on deposit Melrose Trust Co.....	994.26
	\$260,894.26
8 Coupons Boston & Maine R. R. due Oct. 1, 1916, No. 5166 to 5169, 5171 to 5174, payment refused.....	180.00
	\$261,074.26
3 Coupons Conn. River R. R. due Dec. 1, 1916, defaulted.....	52.50
	\$261,126.76

REPORT SCHOOL HOUSE LOAN SINKING FUND, 1916

Melrose, Dec. 31, 1916

Statement Showing Receipts and Payments on Account of Schoolhouse Loan Sinking Fund, for the year 1916

Balance cash in bank July 1, 1916.....	\$1,096.34
Receipts	
From Coupons.....	\$3,592.00
Interest on securities owned.....	1,065.98
Interest on deposits in bank.....	23.06
City of Melrose 1916 appropriation.....	7,257.15
Bonds and notes sold.....	128,217.50
City of Melrose for 92 Schoolhouse Bonds owned by Fund...	92,000.00
	232,155.69
	\$233,252.03

CITY OF MELROSE

Payments

Bonds and notes bought.....	\$33,200.00	
Premium on bonds and notes bought.....	2.70	
Accrued interest on bonds and notes bought.....	5.27	
Expenses:		
Commission on bonds sold.....	3.81	
Insurance on bonds matured, sent for collection.....	.49	
Rental Safe Deposit box.....	2.00	6.30
City of Melrose to pay for maturing Bonds.....	200,000.00	233,214.27
Balance cash in Melrose Trust Co.....		\$37.76

W. R. LAVENDER

Treasurer

LIST OF SECURITIES OWNED BY SCHOOLHOUSE LOAN SINKING FUND,

DECEMBER 31, 1916

Part Note City of Melrose (18,000), May 28, 1917, 3½%.....	\$7,600.00
Part Northampton, Mass., Pavement Bond, June 1, 1917, 4%, No. 2.....	600.00
4 Boston & Albany R. R. Bonds, May 1, 1933, 4%, 2495 to 2498.....	4,000.00
2 Baltimore & Ohio R. R. S. W., Div. each 1,000, July 1, 1925, 3½%, M531 to 532, registered.....	2,000.00
3 Baltimore & Ohio R. R. S. W., Div. Bonds, each 500, July 1, 1925, 3½%, B42, 43, 49, registered.....	1,500.00
Part Boston Elevated R.R. Bonds, Nov. 1, 1941, 4. % , registered.....	2,000.00
Cash on deposit Melrose Trust Co.....	37.76
	\$17,737.76

REPORT SURFACE DRAINAGE LOAN SINKING FUND 1916

Melrose, Dec. 31, 1916

Statement Showing Receipts and Payments on Account of Surface Drainage Loan Sinking

Fund, for the year 1916

Balance cash in banks Jan. 1, 1916.....	\$1,364.93
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Receipts

From Coupons.....	\$1,453.00	
Interest on securities owned.....	355.62	
Interest on deposits in bank.....	15.46	
City of Melrose, appropriation for 1915.....	7,757.68	
City of Melrose, appropriation for 1916.....	5,588.68	
Bonds and Notes sold and matured.....	30,688.75	45,859.19
		\$47,224.12

REPORT OF SINKING FUND COMMISSIONERS 163

Payments

Bonds and notes bought.....	37,000.00	
Premium on bonds and notes bought.....	5.64	
Accrued interest on bonds and notes bought.....	136.42	
Expenses:		
Commission on bonds sold.....	\$3.78	
Insurance on bonds matured sent for collection..	.49	
Rental Safe Deposit box.....	3.00	7.27
City of Melrose, to pay maturing bonds.....	10,000.00	47,149.33
Balance cash in Melrose Trust Co.....		74.79

W. R. LAVENDER,
Treasurer

LIST OF SECURITIES OWNED BY SURFACE DRAINAGE LOAN SINKING FUND,

DEC. 31, 1916

30 Melrose Surface Drainage Bonds, July 15, 1932, 4%, No. 1 to 3, 61 to 75, 81 to 92.....	\$30,000.00
4 Melrose Water Bonds, March 1, 1918, 4%, 452 to 454, 462.....	4,000.00
1 Note City of Melrose, Aug. 20, 1917, 4½%.....	700.00
Part Note City of Melrose (18,000), May 28, 1917, 3½%.....	6,600.00
1 Wakefield Mass., Bond, Nov. 1, 1926, 3½%, 97.....	1,000.00
Part Northampton, Mass., Pavement Bond (1,000), June 1, 1917, 4%, 2....	400.00
1 Boston & Maine R. R. Bond, April 1, 1929, 4½%, 5170.....	1,000.00
2 Fitchburg R. R. Bonds, March 1, 1928, 4½%, 2394-3854.....	2,000.00
1 Boston & Albany R. R. Bond, May 1, 1933, 4%, 2499.....	1,000.00
3 Boston Elevated R. R. Bonds, registered Nov. 1, 1941, 4½%, 43 to 45....	3,000.00
Part Boston Elevated R. R. Bond (5,000), registered Nov. 1, 1941, 4½%, 39..	500.00
1 Baltimore & Ohio R. R. S. W., Div. Bond reg. July 1, 1925, 3½%, B44...	500.00
Cash on deposit Melrose Trust Co.....	74.79
	\$50,774.79
Coupon Boston & Maine R. R. due Oct. 1, 1916, payment refused.....	22.50
	\$50,797.29

Report of Cemetery Committee

To the Honorable Mayor and Board of Aldermen.

Gentlemen:—The Cemetery Committee respectfully submit their report of the receipts and expenditures for the Cemetery Department during the year ending December 30, 1916.

RECEIPTS

Dressing.....	\$81.52	
Foundations.....	243.25	
Graves, single.....	466.00	
Interment s.....	875.00	
Labor, grading lots, etc.....	63.00	
Lots, care of.....	2,100.00	
Lots, care of, Perpetual Trust Fund.....	1,481.48	
Lots, sale of.....	2,866.00	
Vaults, slate.....	500.00	
Sundries.....	1.50	\$8,680.75

EXPENDITURES

Salary of Clerk.....	\$25.80
Salary of Committee.....	79.20
Salary of Superintendent.....	1,300.00
Bond of Superintendent.....	3.00
Leavitt, M.D., clerical services.....	36.90
Pay Rolls, employees and teaming.....	5,196.37
Canvas covers.....	51.57
Cement.....	24.30
Dressing.....	204.75
Engineering survey and blue prints.....	98.29
Filling.....	454.00
Freight and teaming.....	98.51
Fuel.....	10.70
Markers and signs.....	101.00
Miscellaneous.....	17.69
Plants, shrubs and seeds.....	88.89
Postage, printing and stationery.....	78.90
Repairs, water closet, office.....	20.09
Sewer pipe.....	59.25
Sharpening tools.....	41.40

Telephone.....	47.82	
Tools.....	33.86	
Vaults, slate.....	189.45	\$8,261.74

Respectfully submitted

W. C. GOSS, *Chairman*

Report of the City Auditor of the City of Melrose

To His Honor, the Mayor and the Board of Aldermen:—

Gentlemen:—I have the honor to submit herewith a statement of the receipts and expenditures of the City of Melrose, beginning on the first day of January, 1916, and ending of the financial year on the thirty-first day of December, 1916, with a detailed statement of each department, a statement of assets and liabilities, a table showing the funded debt, the dates on which the notes and bonds are payable, together with a schedule of the City property.

In accordance with the requirements of Chapter 322, Acts of 1904, I have examined the several trust funds, under the control of the trustees of the public library, and find proper vouchers for, and bank books showing balances as reported by them on pages 105 to 106 of their report.

Respectfully submitted,

EDWIN C. GOULD,

City Auditor

City of Melrose, Auditor's Office.

FINANCES

The assessed valuation of the City April 1, 1916 was:

Real Estate.....	\$16,849,350.00
Personal Estate.....	2,795,800.00

Total Valuation.....	\$19,645,150.00
Increase in valuation from April 1, 1915 to April 1, 1916...	\$703,770.00

Number of dwelling-houses April 1, 1916.....	3,864
Number of assessed polls.....	4,949
Population,.....	17,314
Rate of taxation per \$1,000 April 1, 1916, \$22.00 was divided as follows, viz.	
City Tax.....	\$12.75
County Tax.....	.80
State Tax.....	1.38
Metropolitan Park Tax.....	.42
Metropolitan Sewer Tax.....	.82
Charles River Basin Tax.....	.10
Highway and Fire Prevention Tax.....	.01
Interest, Loans and Sinking Funds.....	5.11
Overlay.....	.61
	22.00

BONDED DEBT, DEC. 31, 1915

Total amount of outstanding bonds.....	\$1,052,000.00
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Increase:

Sewer Bonds.....	\$10,000.00	
Surface Drainage Bonds.....	15,000.00	
Water Bonds.....	15,000.00	40,000.00
		\$1,092,000.00

Decrease:

Auditorium Bonds.....	\$3,000.00	
Park Bonds.....	2,000.00	
School Bonds.....	200,000.00	
Sewer Bonds.....	1,500.00	
Surface Drainage Bonds.....	11,500.00	
Water Bonds.....	10,500.00	\$228,500.00

Total outstanding bonds Dec. 31, 1916....	\$863,500.00
Decrease \$188,500.00	

MUNICIPAL AND PERMANENT NOTES

Total outstanding Dec. 31, 1915.....		\$121,750.00
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Increase:

Municipal Notes 1 year.....	\$8,600.00	
Permanent Notes over 1 year.....	23,400.00	
Trust Fund Notes 1 year.....	4,500.00	
Trust Fund Notes over 1 year.....	3,700.00	40,200.00
		\$161,950.00

Decrease:

Municipal Notes 1 year.....	\$10,150.00	
Permanent Notes over 1 year.....	22,850.00	33,000.00

Total outstanding Dec. 31, 1916.....	\$128,950.00
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Increase \$7,200.

CITY OF MELROSE, MUNICIPAL DEBT, DEC. 31, 1916**Municipal Debt Notes**

Due in 1917.....	\$14,100.00
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Permanent Debt Notes

Due in 1917.....	\$23,650.00	
" 1918.....	27,350.00	
" 1919.....	19,150.00	
" 1920.....	13,050.00	
" 1921.....	9,550.00	
" 1922.....	5,050.00	
" 1923.....	5,050.00	
" 1924.....	2,000.00	
" 1925.....	2,000.00	
" 1926.....	2,000.00	
" 1927.....	2,000.00	
" 1928.....	2,000.00	
" 1929.....	2,000.00	\$114,850.00

Total outstanding Dec. 31, 1916.....	\$128,950.00
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BONDED DEBT DEC. 31, 1916**Auditorium Bonds**

Melrose Auditorium Loan, dated July 1, 1911, 4% \$2,000, due 1917 to 1931, inclusive.....	\$30,000.00
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Park Bonds

Melrose Park Loan, dated Dec. 1, 1911, 4%, \$1,000 due 1917 to 1921, inclusive	\$5,000.00	
Melrose Park Loan dated Dec. 1, 1912, 4% \$1,000 due 1917 to 1921, inclusive	5,000.00	10,000.00

Schoolhouse Bonds

Melrose Schoolhouse Loan, dated March 1, 1908, 3½% due March 1, 1929		78,000.00
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Sewer Bonds

Melrose Sewer Loan and Serial:

4%, \$500, due May 1, 1917 to 1934 inc.	\$9,000.00	
4%, \$500 " May 1, 1917 to 1935 "	9,500.00	
4%, \$1,000 " Aug. 1, 1917 to 1926	10,000.00	
4%, \$500 " Sept. 1, 1917 to 1933	8,500.00	
Due June 1, 1917 at 4%	50,000.00	
June 1, 1924 at 4%	100,000.00	
June 1, 1925 at 4%	100,000.00	
July 1, 1926 at 4%	50,000.00	
July 1, 1935 at 4%	10,000.00	
June 1, 1937 at 4%	10,000.00	
July 1, 1937 at 4%	10,000.00	
June 1, 1938 at 4%	10,000.00	
June 1, 1939 at 3½%	10,000.00	
April 1, 1940 at 4%	10,000.00	
May 1, 1941 at 4%	5,000.00	
Nov. 1, 1941 at 4%	5,000.00	
July 1, 1942 at 4%	10,000.00	\$417,000.00

Surface Drainage Bonds

Melrose Surface Drainage Loan Serial:

4%, \$500 due April 1, 1917 to 1935	\$9,500.00	
4%, \$500 " May 1, 1917 to 1934	9,000.00	
4%, \$500 " Nov. 1, 1917 to 1925	4,500.00	
4%, \$1,000 " June 1, 1917 to 1931	15,000.00	
4% " July 1, 1917	5,000.00	
4% " Nov. 1, 1919	5,000.00	
4% " July 1, 1920	5,000.00	
4% " Sept. 1, 1923	10,000.00	
4% " July 15, 1932	100,000.00	\$163,000.00

Water Bonds

Melrose Water Loans Serial:

4%	\$1,000	due	May 1, 1917	to 1920	\$4,000.00	
4%	\$1,000	"	May 1, 1917	to 1920	4,000.00	
4%	\$1,000	"	May 1, 1917	to 1920	4,000.00	
4%	\$1,000	"	May 1, 1917	to 1924	8,000.00	
4%	\$1,000	"	June 1, 1917	to 1926	10,000.00	
3½%	\$2,000	"	June 1, 1917	to 1932	31,000.00	
4%	\$1,000	"	July 1, 1917	to 1922	6,000.00	
4%	\$1,000	"	Sept. 1, 1917	to 1923	7,000.00	
4%	\$500	"	Dec. 1, 1917	to 1923	3,500.00	
4%		"	Mar. 1, 1918	.....	35,000.00	
4%		"	Aug. 1, 1922	.....	10,000.00	
4%		"	Feb. 1, 1923		5,000.00	
4%		"	July 1, 1925		38,000.00	\$165,500.00

Total Bonded Debt Dec. 31, 1916.....		\$863,500.00
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Less Sinking Funds

Schoolhouse Loan.....	\$17,737.76	
Sewer Loan.....	260,894.26	
Surface Drainage Loan.....	50,774.79	
Water Loan.....	73,543.30	402,950.11

Net Bonded Debt.....		\$460,549.89
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Recapitulation of City Debt

Municipal and Permanent Notes.....	\$128,950.00	
Net Bonded Debt.....	460,549.89	\$589,499.89

Debt Statement

Total Debt Dec. 31, 1915.....	\$602,784.37	
Decrease.....	13,284.48	589,499.89
Decrease in bonds.....		188,500.00
Increase in notes.....	7,200.00	
Decrease in Sinking Funds.....	168,015.52	175,215.52
		<u>\$13,284.48</u>

AUDITOR'S REPORT

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CASH ACCOUNT FOR 1916

Cash on hand Dec. 31, 1915.....		\$19,376.59
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Receipts:

January.....	\$32,368.48	
February.....	317,362.23	
March.....	96,765.48	
April.....	85,348.63	
May.....	72,276.26	
June.....	91,549.61	
July.....	66,033.10	
August.....	34,168.34	
September.....	55,371.85	
October.....	201,011.02	
November.....	130,891.35	
December.....	138,792.96	1,321,939.31
		\$1,341,315.90

Payments:

January.....	\$22,869.48	
February.....	253,123.99	
March.....	55,240.08	
April.....	175,962.31	
May.....	81,832.58	
June.....	84,316.63	
July.....	47,449.62	
August.....	51,985.73	
September.....	47,404.44	
October.....	100,395.50	
November.....	266,761.35	
December.....	123,154.94	1,310,496.65

Cash on hand Dec. 31, 1916.....		\$30,819.25
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ESTIMATED RECEIPTS

Receipts

Transfers from sundry account.....		\$45,941.89
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Expended

Budget appropriation.....	42,873.17	
Balance to Excess and Deficiency.....	3,068.72	
	\$45,941.89	\$45,941.89

EXCESS AND DEFICIENCY

Receipts

Balance from 1915.....	\$6,715.14	
Transferred from sundry accounts.....	6,408.64	13,123.78

Expended

Transferred to sundry accounts, Aldermanic Orders.....	6,657.87	
Balance to 1917.....	6,465.91	
	\$13,123.78	\$13,123.78

ASSETS AND LIABILITIES

Assets

To amount invested in building, land, parks, and other property.....	\$1,040,160.22
To amounts invested in Sinking Funds...	402,950.11
To amounts invested in Sewer System....	478,697.09
To amounts invested in Surface Drainage System.....	199,176.03
To amount invested in Water System....	475,006.02

Liabilities

Municipal Indebtedness:		
Bonds.....	\$863,500.00	
Notes.....	128,950.00	
Trust Funds.....	43,041.94	
		1,035,491.94
Assets exceed liabilities.....		\$1,560,497.53
	\$2,595,989.47	\$2,595,989.47

REVENUE

Taxes of 1909—Balance Dec. 31, 1915...		\$2.00
Taxes of 1910..Balance Dec. 31, 1915....		5.80
Taxes of 1911—Balance overpaid.....		48.15
Taxes of 1912—Balance overpaid.....	\$177.00	
To correct report.....	168.07	8.93
Taxes of 1913—Balance Dec. 31, 1915....	1,660.92	
Additional in 1916.....	2.00	1,662.92

AUDITOR'S REPORT

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Collected in 1916.....	1,492.54	
Transfer from 1912.....	150.34	
Abatements.....	17.60	1,660.48
Uncollected Dec. 31, 1916.....		\$2.44
Taxes of 1914—Balance Dec. 31, 1915....	\$53,467.35	
Additional.....	86.80	53,554.15
Collected in 1916.....	44,425.79	
Abated in 1916.....	936.32	
Takings in 1916.....	5,636.60	50,998.71
Uncollected Dec. 31, 1916.....		\$2,555.44
Taxes of 1915—Balance Dec. 31, 1915....		\$186,941.23
Collected in 1916.....	123,188.96	
Abated.....	2,419.25	125,608.21
Uncollected Dec. 31, 1916.....		\$61,333.02
Taxes of 1916—Warrant.....	442,091.30	
Additional.....	22,542.12	464,633.42
Collected in 1916.....	273,621.63	
Abated.....	5,724.60	\$279,346.23
Uncollected Dec. 31, 1916.....		\$185,287.19

STREET SPRINKLING ASSESSMENTS

1910—Balance Dec. 31, 1915.....		\$101.70
1911—Balance Dec. 31, 1915.....		2.98
1912—Balance Dec. 31, 1915.....	419.80	
Correcting of Returns in 1916.....	15.73	
Uncollected Dec. 31, 1916.....		404.07
1913—Balance Dec. 31, 1915.....	50.15	
Collecting in 1916.....	19.80	
Uncollected Dec. 31, 1916.....		30.35
1914—Balance Dec. 31, 1915.....		1,498.43
Collected in 1916.....	1,196.48	
Takings in 1916.....	173.10	1,369.58
Uncollected Dec. 31, 1916.....		\$128.85
1915—Balance Dec. 31, 1915.....		4,844.70
Collected in 1916.....		3,101.83
Uncollected Dec. 31, 1916.....		\$1,742.87

—Warrant	11,156.74
Collected in 1916.....	6,273.32
Uncollected Dec. 31, 1916.....	\$4,883.42

MOTH ASSESSMENTS

1911—Balance Dec. 31, 1915.....		\$1.50
1912—Balance Dec. 31, 1915, overpaid ..	1.59	
1913—Balance Dec. 31, 1915.....		29.40
Collected in 1916.....		1.80
Uncollected Dec. 31, 1916.....		27.60
1914—Balance Dec. 31, 1915.....		14.00
Collected in 1916.....	11.20	
Takings in 1916.....	2.80	14.00
1915—Balance Dec. 31, 1915.....		\$527.84
Collected in 1916.....		309.69
Uncollected Dec. 31, 1916.....		\$218.15
1916—Warrant.....		\$195.06
Collected in 1916.....		138.58
Uncollected Dec. 31, 1916.....		\$56.48

SEWER ASSESSMENTS

1908—Balance Dec. 31, 1915.....		\$19.04
1909—Balance Dec. 31, 1915.....		45.09
1911—Balance Dec. 31, 1915.....	37.61	
Collected in 1916.....	36.51	
Uncollected Dec. 31, 1916.....		1.10
1912—Balance Dec. 31, 1915, overpaid ..	54.78	
Collected in 1916.....	82.12	
Balance overpaid Dec. 31, 1916.....	136.90	
1913—Balance Dec. 31, 1915.....		340.49
Collected in 1916.....		45.75
Uncollected Dec. 31, 1916.....		\$294.74

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1914—Balance Dec. 31, 1915.....	\$3,265.44
Collected in 1916.....	251.81
Uncollected Dec. 31, 1916.....	\$3,013.63
1915—Balance Dec. 31, 1915.....	2,243.42
Collected in 1916.....	379.09
Uncollected Dec. 31, 1916.....	\$18,64.33

Apportioned

1916—Balance Dec. 31, 1915.....	1,656.09
Collected in 1916.....	723.92
Uncollected Dec. 31, 1916.....	932.17

Unapportioned

1916—Warrant Order.....	5,030.96
Collected in 1916.....	601.38
Uncollected Dec. 31, 1916.....	\$4,429.58
1917—Balance Dec. 31, 1915.....	1,465.60
Collected in 1916.....	64.29
Uncollected Dec. 31, 1916.....	1,401.31
1918—Balance Dec. 31, 1915.....	1,367.25
Collected in 1916.....	64.29
Uncollected Dec. 31, 1916.....	\$1,302.96
1919—Balance Dec. 31, 1915.....	1,356.72
Collected in 1916.....	64.27
Uncollected Dec. 31, 1916.....	\$1,292.45
1920—Balance Dec. 31, 1915.....	989.92
Collected in 1916.....	4.42
Uncollected Dec. 31, 1916.....	\$985.50
1921—Balance Dec. 31, 1915.....	806.34
Collected in 1916.....	4.42
Uncollected Dec. 31, 1916.....	\$801.92

1922—Balance Dec. 31, 1915.....	684.08
Collected in 1916.....	4.42
Uncollected Dec. 31, 1916.....	<u>\$679.66</u>
1923—Balance Dec. 31, 1915.....	676.09
Collected in 1916.....	4.42
Uncollected Dec. 31, 1916.....	<u>\$671.67</u>
1924—Balance Dec. 31, 1915.....	522.97
Collected in 1916.....	4.40
Uncollected Dec. 31, 1916.....	<u>\$518.57</u>
1925—Balance Dec. 31, 1915.....	335.73

SIDEWALK ASSESSMENTS

1910—Balance Dec. 31, 1915.....	4.91
1911—Balance Dec. 31, 1915.....	\$.34
Collected in 1916.....	4.92
Overpaid.....	<u>4.58</u>
1912—Balance Dec. 31, 1915.....	86.40
No collection.....	
1913—Balance Dec. 31, 1915.....	160.21
Collected in 1916.....	59.97
Uncollected Dec. 31, 1916.....	<u>100.24</u>
1914—Balance Dec. 31, 1915.....	856.91
Collected in 1916.....	335.32
Abated.....	13.20
Uncollected Dec. 31, 1916.....	<u>\$508.39</u>
1915—Balance Dec. 31, 1915.....	1,721.10
Collected in 1916.....	825.11
Asst. apportioned.....	111.51
Uncollected Dec. 31, 1916.....	<u>\$784.48</u>

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1916—Balance Dec. 31, 1915.....		1,584.82
Additional Asst.....		764.28
		\$2,349.10
Collected in 1916.....	1,252.08	
Transferred to 1915.....	32.45	1,284.53
Uncollected Dec. 31, 1915.....		\$1,064.57
1916—Assessment Order.....		9,509.18
Collected in 1916.....	3,181.23	
Apportioned Acct.....	4,520.65	7,701.88
Uncollected Dec. 31, 1916.....		\$1,807.30
Apportioned		
1917—Balance Dec. 31, 1915.....	\$757.00	
Assessment 1916.....	777.54	
		\$1,534.54
Collected in 1916.....		139.92
Uncollected Dec. 31, 1916.....		\$1,394.62
1918—Balance Dec. 31, 1915.....	181.24	
Assessments in 1916.....	686.60	867.84
Collected in 1916.....		35.17
Uncollected Dec. 31, 1916.....		\$832.67
1919—Balance Dec. 31, 1915.....	181.24	
Assessment in 1916.....	552.76	734.00
Collected in 1916.....		23.56
Uncollected Dec. 31, 1916.....		\$710.44
1920—Balance Dec. 31, 1915.....	175.00	
Assessments in 1916.....	443.21	618.21
Collected in 1916.....		12.27
Uncollected Dec. 31, 1916.....		\$605.94
1921—Balance Dec. 31, 1915.....	88.87	
Assessments in 1916.....	300.60	389.47
Collected in 1916.....		12.27
Uncollected Dec. 31, 1916.....		\$377.20

1922—Balance Dec. 31, 1915.....	78.78	
Assessments in 1916.....	272.11	350.89
Collected in 1916.....		12.27
Uncollected Dec. 31, 1916.....		\$338.62
1923—Balance Dec. 31, 1915.....	78.78	
Assessment in 1916.....	261.14	339.92
Collected in 1916.....		12.27
Uncollected Dec. 31, 1916.....		\$327.65
1924—Balance Dec. 31, 1915.....	78.78	
Assessments in 1916.....	253.48	332.26
Collected in 1916.....		12.27
Uncollected Dec. 31, 1916.....		\$319.99
1925—Balance Dec. 31, 1915.....	78.72	
Assessment in 1916.....	253.84	332.56
Collected in 1916.....		12.31
Uncollected Dec. 31, 1916.....		\$320.25
1926—Assessment in 1916.....		\$2.54

STREET BETTERMENT ASSESSMENTS

1912—Balance Dec. 31, 1915		\$88.32
1913 " " " "		7.74
1914 " " " "		76.90
1915 " " " "	2,015.05	
Correcting report.....	1.59	
	2,016.64	
Collected in 1916.....	447.33	
Uncollected Dec. 31, 1916.....		\$1,569.31
1916—Balance Dec. 31, 1915.....		893.80
Collected in 1916.....		483.21
Uncollected Dec. 31, 1916.....		\$410.59
1916—Assessment.....		4,526.14
Collected in 1916.....	1,019.82	
Assessment Apportioned.....	1,704.45	2,724.27
Uncollected Dec. 31, 1916.....		\$1,801.87

Apportioned			
1917—Balance Dec. 31, 1915.....	\$780.34		
Assessments in 1916.....	196.82	\$977.16	
Collected in 1916.....		32.41	
Uncollected Dec. 31, 1916.....		\$944.75	
1918—Balance Dec. 31, 1915.....	721.88		
Assessments in 1916.....	196.82	918.70	
Collected in 1916.....		6.00	
Uncollected Dec. 31, 1916.....		\$912.70	
1919—Balance Dec. 31, 1915.....	704.04		
Assessments in 1916.....	196.82	900.86	
Collected in 1916.....		6.00	
Uncollected Dec. 31, 1916.....		\$894.86	
1920—Balance Dec. 31, 1915.....	618.81		
Assessments in 1916.....	196.82	815.63	
Collected in 1916.....		6.00	
Uncollected Dec. 31, 1916.....		\$809.63	
1921—Balance Dec. 31, 1915.....	521.56		
Assessments in 1916.....	196.81	718.37	
Collected in 1916.....		6.00	
Uncollected Dec. 31, 1916.....		\$712.37	
1922—Balance Dec. 31, 1915.....	413.63		
Assessments in 1916.....	144.08	557.71	
Collected in 1916.....		6.00	
Uncollected Dec. 31, 1916.....		\$551.71	
1923—Balance Dec. 31, 1915.....	413.59		
Assessments in 1916.....	144.08	557.67	
Collected in 1916.....		6.00	
Uncollected Dec. 31, 1916.....		\$551.67	
1924—Balance Dec. 31, 1915.....	369.01		
Assessments in 1916.....	144.08	513.09	
Collected in 1916.....		6.00	
Uncollected Dec. 31, 1916.....		\$507.09	

1925—Balance Dec. 31, 1915.....	126.06	
Assessments in 1916.....	144.08	
Uncollected Dec. 31, 1916.....		\$270.14
1926—Assessments in 1916.....		144.04
No collection.....		

WATER RATES

1911 and prior—Balance Dec. 31, 1915...	\$1,069.74	
Commitment in 1916.....	130.15	\$1,199.89
Collected in 1916.....	11.26	
Abatements in 1916.....	600.97	612.23
Uncollected Dec. 31, 1916.....		\$587.66
1912—Balance Dec. 31, 1915.....		232.77
Collected in 1916.....		40.27
Uncollected Dec. 31, 1916.....		\$192.50
1913—Balance Dec. 31, 1915, overpaid...	170.58	
Collected in 1916.....	56.39	
Overpaid Dec. 31, 1916.....	\$226.97	
1914—Balance Dec. 31, 1915, overpaid...	630.61	
Collected in 1916.....	250.64	
Overpaid Dec. 31, 1916.....	\$881.25	
1915—Balance Dec. 31, 1915.....	6,505.77	
Commitment in 1916.....	782.57	7,288.34
Collected in 1916.....		6,717.37
Balance uncollected Dec. 31, 1916....		\$570.97
1916—Assessments in 1916.....	34,904.00	
Assessment 1st Qt.	604.54	
“ 2d “	1,951.06	
“ 3d “	3,995.31	
“ 4th “	5,985.91	
“ Fractional.....	1,061.17	48,501.99
Collected in 1916.....		\$41,349.73
Balance Uncollected Dec. 31, 1916.....		\$7,152.26
Summons Collected in 1916.....		119.40

TAX TITLES

Balance Dec. 31, 1915.....	\$134.43	
Collected in 1916.....	76.54	
Uncollected Dec. 31, 1916.....	\$57.89	

Tax Takings

Balance Dec. 31, 1915.....	\$11,903.56	
Additional in 1916.....	5,814.50	17,718.06
Collected in 1916.....		6,600.67
Uncollected Dec. 31, 1916.....	\$11,117.39	

Real Estate Taken by City

Balance Dec. 31, 1915.....	\$4,704.07	
Collected in 1916.....	490.51	
Uncollected Dec. 31, 1916.....	\$4,213.56	

Sewer Assessment Takings

Balance Dec. 31, 1915.....	\$415.78	
No Collection in 1916.....		

COMMONWEALTH OF MASSACHUSETTS

Balance Dec. 31, 1915.....	\$3,276.00	
Pay Rolls State Aid 1916.....	3,052.00	
Pay Rolls State Aid Mexican 1916.....	144.80	
Soldiers' burial.....	50.00	\$6,522.80
Cash received Nov. 1916.....		3,276.00
Balance Dec. 31, 1916.....	\$3,246.80	
Payable Nov. 1917.....		

GRANTS AND GIFTS

Receipts

Middlesex County Dog Tax.....	\$1,268.64	
Middlesex County Marvin Road.....	500.00	
Commonwealth of Mass. Soldiers' Ex-emption.....	216.26	\$1,984.90

CITY OF MELROSE

Expended

Transferred to Estimated Receipts.....	\$1,268.64	
“ “ Municipal Indbt., Marvin Road.....	500.00	
“ “ Overlay and Abatements	216.26	
	\$1,984.90	\$1,984.90

BANK AND CORPORATION TAX**Receipts**

Commonwealth of Mass.....	15,006.43	
Street R.R. Excise Tax.....	2,446.24	
“ “ Corp. Tax.....	1,654.00	
Public Service.....	5,444.06	24,550.73

Expended

Transferred to Rev. 1916.....	\$10,227.37	
“ “ Highway Div.....	4,100.24	
“ “ Estimated Receipts.....	10,223.12	24,550.73

Departmental—General Government**ALDERMEN—Salaries and Wages****Receipts**

Appropriation—Budget.....	\$600.00
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Expended

Salary of Clerk of Committees.....	\$600.00	
	\$600.00	\$600.00

OTHER EXPENSES

Appropriation—Budget.....	\$300.00
No. 9851 transferred from Excess and Deficiency	200.00
No. 9962 transferred from Excess and Deficiency	150.00

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Expended

Advertising.....	\$36.00	
Automobile, use of.....	7.00	
Books and stationery.....	39.45	
Inaugural.....	95.35	
Miscellaneous.....	12.58	
Printing Particular Account.....	66.00	
Printing.....	108.90	
Posting notices.....	31.50	
Postage and box rent.....	10.93	
Portraits.....	110.00	
Nos. 9911, 9947, 9996, transferred to Police Investigation.....	125.00	
Balance to Excess and Deficiency.....	7.29	
	\$650.00	\$650.00

POLICE INVESTIGATION

Receipts

Transferred from Other Expenses.....	125.00
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Expended

Advertising.....	\$5.00	
Constable, serving notices.....	18.60	
Stenographer.....	60.00	
Balance to 1917.....	41.40	
	\$125.00	\$125.00

MAYOR—Salaries and Wages

Receipts

Appropriation—Budget.....	\$1,300.00	
No. 9864, transferred from Other Expenses	25.00	1,325.00

Expended

Salary of Mayor.....	\$1,000.00	
Salary of Clerk.....	320.00	
Balance to Excess and Deficiency.....	5.00	
	\$1,325.00	\$1,325.00

CITY OF MELROSE

OTHER EXPENSES

Receipts

Appropriation—Budget	\$225.00
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Expended

Advertising	\$5.75	
Miscellaneous	9.21	
Postage and stationery	71.97	
Telephone	48.93	
Typewriter	60.00	
Transfer to Salaries No. 9862	25.00	
Balance to Excess and Deficiency	4.14	
	\$225.00	\$225.00

AUDITOR—Salaries and Wages

Receipts

Appropriation—Budget	\$1,500.00
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Expended

Salary of Auditor	\$500.00	
Salary of Assistant Auditor	1,000.00	
	\$1,500.00	\$1,500.00

OTHER EXPENSES

Receipts

Appropriation—Budget	\$100.00
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Expended

Books and stationery	\$45.01	
Expense on Adding Machine	.80	
Postage and box rent	8.00	
Balance to Excess and Deficiency	46.19	
	\$100.00	\$100.00

TREASURER—Salaries and Wages

Receipts

Appropriation—Budget	\$1,300.00
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Expended

Salary	\$1,300.00	
	\$1,300.00	\$1,300.00

OTHER EXPENSES**Receipts**

Appropriation—Budget	\$450.00
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Expended

Official Bond	\$120.00	
Books and stationery	90.61	
Carriage hire pay days	49.00	
Miscellaneous	37.48	
Postage and box rent	54.73	
Telephone	26.35	
Overdraft 1915	.63	
Balance to Excess and Deficiency	71.20	
	\$450.00	\$450.00

COLLECTOR—Salaries and Wages**Receipts**

Appropriation—Budget	\$2,595.00
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Expended

Salary of Collector	\$1,000.00	
Salary of Clerks	1,587.23	
Balance to Excess and Deficiency	7.77	
	\$2,595.00	\$2,595.00

OTHER EXPENSES**Receipts**

Appropriation—Budget	\$1,225.00
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Expended

Official Bond.....	\$125.00	
Advertising.....	45.50	
Advertising takings.....	232.63	
Books and stationery.....	96.35	
Distributing tax bills.....	70.00	
Miscellaneous.....	36.28	
Postage and box rent.....	164.35	
Printing.....	62.00	
Printing tax bills.....	45.58	
Recording Takings.....	174.00	
Telephone.....	32.75	
Balance to Excess and Deficiency.....	140.56	
	\$1,225.00	\$1,225.00

ASSESSORS—Salaries and Wages**Receipts**

Appropriation—Budget.....	\$2,550.00
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Expended

Salaries of Assessors and Assistants.....	\$1,350.00	
Salary of Clerk.....	1,200.00	
	\$2,550.00	\$2,550.00

OTHER EXPENSES**Receipts**

Appropriation—Budget.....	\$850.00
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Expended

Abstract of Deeds and Transfer.....	\$76.35	
Automobile, use of.....	75.00	
Books and stationery.....	94.50	
Carfare.....	3.97	
Clerical service.....	103.75	
Miscellaneous.....	45.15	
Printing Poll Book.....	427.05	
Telephone.....	23.29	
Balance to Excess and Deficiency.....	1.00	
	\$850.00	\$850.00

OTHER FINANCIAL OFFICES

Receipts

Appropriation—Budget		\$200.00
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Expended

Salary of Treasurer of Sinking Fund Commissioners	\$200.00	
	\$200.00	\$200.00

CERTIFICATION OF BONDS AND NOTES

Receipts

Balance Dec. 31, 1915		\$13.75
Appropriation—Budget		400.00
Premium on Bonds and Notes		496.25

Expended

Old Colony Trust Co. Certification	\$710.00	
Balance to 1917	200.00	
	\$910.00	\$910.00

CITY CLERK—Salaries and Wages

Receipts

Appropriation—Budget		\$1,800.00
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Expended

Salary of Clerk	\$1,200.00	
Salary of Assistant Clerk	600.00	
	\$1,800.00	\$1,800.00

OTHER EXPENSES

Receipts

Appropriation—Budget		\$518.00
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Expended

Official Bond.....	\$4.00	
Books, stationery and office expenses....	138.78	
Carfare.....	6.70	
Miscellaneous.....	65.51	
Postage and box rent.....	25.20	
Telephone.....	73.33	
Typewriter.....	75.00	
Clerical service.....	25.50	
Recording assessments.....	104.11	
Balance to Excess and Deficiency.....	.37	
	\$518.00	\$518.00

LAW—CITY SOLICITOR—Salary and Wages**Receipts**

Appropriation—Budget.....	\$1,000.00
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Expended

Salary of Solicitor.....	\$1,000.00	
	\$1,000.00	\$1,000.00

OTHER EXPENSES**Receipts**

Appropriation—Budget.....	25.00
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Expended

Books for Office.....	\$20.00	
Balance to Excess and Deficiency.....	5.00	
	\$25.00	\$25.00

SPECIAL STREET RAILWAY HEARING**Receipts**

Appropriation—Budget.....	\$100.00
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Expended

Bills paid	100.00	
	\$100.00	\$100.00

CITY PHYSICIAN—Salaries and Wages

Receipts

Appropriation—Budget	\$450.00
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Expended

Salary	\$450.00	
	\$450.00	\$450.00

ELECTION AND REGISTRATION—Salaries and Wages

Receipts

Appropriation—Budget	\$1,876.00
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Expended

Salaries of Registrars	\$400.00	
Pay Rolls Election Officers	1,110.00	
Pay Rolls Police Officers	127.03	
Clerical services	76.15	
Janitor services	32.00	
Electricity and Removal of booths	50.00	
Balance to Excess and Deficiency	80.82	
	\$1,876.00	\$1,876.00

OTHER EXPENSES

Receipts

Appropriation—Budget	\$1,170.00
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CITY OF MELROSE

Expended

Advertising and printing	\$481.62	
Books and stationery	18.65	
Clerical service	55.00	
Fuel and light	7.20	
Meals	5.65	
Miscellaneous	65.10	
Repairing booths	80.00	
Repairing ballot boxes	16.30	
Postage	59.85	
Rent of polling places	232.00	
Moving booths	50.00	
Special police	10.50	
Balance to Excess and Deficiency	88.13	
	\$1,170.00	\$1,170.00

CITY PLANNING BOARD

Receipts

Balance Dec. 31, 1915	\$300.00	
Appropriation—Budget	300.00	\$600.00

Expended

Books and stationery	\$46.87	
Typewriting	8.97	
Printing Reports	139.25	
Balance to Excess and Deficiency	404.91	
	\$600.00	\$600.00

PUBLIC WORKS OFFICE—Salaries and Wages

Receipts

Appropriation—Budget	\$2,850.00
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Expended

Salary of Engineer and Superintendent . . .	\$2,000.00	
Salary of Clerk	850.00	
	\$2,850.00	\$2,850.00

OTHER EXPENSES

(For details see Report of Eng. and Supt.)

Receipts

Appropriation—Budget		\$650.00
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Expended

Bills paid	\$649.13	
Balance to Excess and Deficiency	.87	
	\$650.00	\$650.00

SURVEY SOUTHEAST SECTION OF MELROSE

Receipts

Balance Dec. 31, 1915	\$300.00
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Expended

Bills paid	\$300.00	
	\$300.00	\$300.00

RUBBISH BARRELS

Receipts

Balance Dec. 31, 1915	\$14.63
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Expended

Bills Paid	\$6.15	
Balance to Excess and Deficiency	8.48	
	\$14.63	\$14.63

ENGINEERING—Salaries and Wages

Receipts

Appropriation—Budget		\$3,500.00
Cash from Cemetery	34.69	
“ “ Forestry and Planting Trees	61.50	
“ “ Individual walks	41.25	
“ “ Continuous walks	434.25	571.69

CITY OF MELROSE

Expended

Pay rolls.....	\$4,701.36	
Balance to Excess and Deficiency.....	.33	
	\$4,071.69	\$4,071.69

OTHER EXPENSES

Receipts

Appropriation.....	\$325.00
Cash for Cemetery Dept.....	\$63.60

Expended

Bills paid.....	\$378.33	
Balance to Excess and Deficiency.....	10.27	
	\$388.60	\$388.60

CITY HALL—Salaries and Wages

Receipts

Appropriation—Budget.....	\$1,400.00
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Expended

Pay rolls.....	\$1,358.09	
Balance to Excess and Deficiency.....	41.91	
	\$1,400.00	\$1,400.00

OTHER EXPENSES

Receipts

Appropriation—Budget.....	\$2,500.00
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Expended

Bills paid.....	\$2,507.26	
Overdraft to 1917.....		\$7.26
	\$2,507.26	\$2,507.26

AUDITORIUM—Salaries and Wages**Receipts**

Appropriation—Budget.....	\$1,400.00
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Expended

Pay rolls.....	\$1,236.75	
No. 9997, transfer to Other Expenses....	158.00	
Balance to Excess and Deficiency.....	5.25	
	\$1,400.00	\$1,400.00

OTHER EXPENSES**Receipts**

Appropriation—Budget.....	\$1,800.00
No. 9997, transferred from Salaries and Wages.....	158.00
Cash from M. & M. Gas Co.....	.20

Expended

Bills paid.....	\$1,950.36	
Balance to Excess and Deficiency.....	7.84	
	\$1,958.20	\$1,958.20

PROTECTION OF PERSONS AND PROPERTY**POLICE DEPARTMENT—Salaries and Wages****Receipts**

Appropriation—Budget.....	\$18,335.41
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Expended

Pay rolls.....	\$18,049.96	
Balance to Excess and Deficiency.....	285.45	
	\$18,335.41	\$18,335.41

HORSES AND CARE OF SAME

Receipts

Appropriation—Budget.....	\$425.00	
No. 9957, transferred from Equipment and Repairs.....	20.00	\$445.00

Expended

Blankets.....	\$3.50	
Board.....	360.00	
Horses for 4th of July.....	35.00	
Horse, use of.....	1.00	
Horse shoeing.....	40.26	
Medicine.....	2.50	
Miscellaneous.....	1.50	
Balance to Excess and Deficiency.....	1.24	.
	\$445.00	\$445.00

EQUIPMENT AND REPAIRS

Receipts

Appropriation—Budget.....	\$350.00
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Expended

Equipments.....	\$40.86	
Flashlights.....	8.40	
Globes.....	4.25	
Miscellaneous.....	3.15	
Repairs to democrat wagon.....	26.75	
Repairs of harness.....	4.85	
Rubber tires.....	30.65	
No. 9855, transferred to Other Expenses..	120.00	
No. 9957, transferred to horse, care of....	20.00	
No. 9957, transferred to Other Expenses..	50.00	
Balance to Excess and Deficiency.....	41.09	
	\$350.00	\$350.00

OTHER EXPENSES

Receipts

Appropriation—Budget.....	\$300.00	
No. 9855, transferred from Equipment and Repairs.....	120.00	
No. 9957, transferred from Eqpt. & Repairs	50.00	\$470.00

Expended

Automobile, use of	\$101.50	
Books and stationery	96.85	
Carfares	43.31	
Horse, equipment 4th of July	36.45	
Meals	11.82	
Miscellaneous	26.11	
Postage and box rent	5.78	
Telephone	136.22	
Traffic signs	10.28	
Balance to Excess and Deficiency	1.70	
	\$470.00	\$470.00

POLICE SIGNAL SYSTEM**Receipts**

Appropriation—Budget	\$350.00
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Expended

Batteries	\$51.00	
Gamewell Fire Alarm Co.	55.82	
Horse hire	25.50	
Miscellaneous	26.70	
Pay roll	142.50	
Wire	48.55	
Overdraft		.07
	\$350.07	\$350.07

SIGNAL BOX**Receipts**

No. 9552, transfer from Excess and Deficiency	\$200.00
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Expended

Horse hire	\$11.50	
Balance to 1917	188.50	
	\$200.00	\$200.00

CITY OF MELROSE

POLICE AMBULANCE

Receipts

Balance Dec. 31, 1915.....	\$13.96	
Cash received in 1916.....	20.00	\$33.96

Expended

Repairs.....	\$.50	
Balance to 1917.....	33.46	
	\$33.96	\$33.96

FINES AND FORFEITS

Receipts

Cash First District Court.....	\$87.55
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Expended

Expense of patrol wagon, court to East Cambridge.....	\$30.62	
Balance to Estimated Receipts.....	56.93	
	\$87.55	\$87.55

FIRE DEPARTMENT—Salaries and Wages

Receipts

Appropriation—Budget.....	\$16,560.80
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Expended

Pay rolls.....	\$15,958.04	
No. 9794, transferred to Equipment and Repairs.....	170.00	
No. 9978, transferred to Fuel and Lights..	210.00	
Balance to Excess and Deficiency.....	222.76	
	\$16,560.80	\$16,560.80

HORSES AND CARE OF SAME

Receipts

Appropriation—Budget	\$1,000.00	
Cash received from street sprinkling	242.84	
Cash received from Highway Dept.	87.14	

Expended

Hay and grain	\$1,144.12	
Horse shoeing	142.10	
Medicine and veterinary	6.39	
Teaming hay	7.00	
Balance to Excess and Deficiency	30.37	
	\$1,329.98	\$1,329.98

EQUIPMENT AND REPAIRS

Receipts

Appropriation—Budget	\$450.00	
No. 9994, transferred from rubber tires	130.00	
No. 9794, transfer from Salaries and Wages	170.00	

Expended

Equipment	\$488.59	
Repairs	219.50	
Supplies	34.59	
Miscellaneous	.82	
Balance to Excess and Deficiency	6.50	
	\$750.00	\$750.00

SPECIAL ACCOUNT—Auto Hook and Ladder

Receipts

Balance Dec. 31, 1915	\$5,000.00	
Sale of horse	300.00	\$5,300.00

Expended

1 auto hook and ladder	5,300.00	
	\$5,300.00	\$5,300.00

Special Account, Rubber Tires

Balance Dec. 31, 1915.....		130.00
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Expended

No. 9794, transferred to Equipment and Repairs.....	\$130.00	
	\$130.00	\$130.00

FUEL AND LIGHTS

Receipts

Appropriation—Budget.....	\$900.00	
No. 9978, transferred from Salaries and Wages.....	210.00	\$1,110.00

Expended

Batteries.....	\$10.80	
Coal and wood.....	697.05	
Electric lights.....	97.85	
Gas lights.....	58.59	
Gasoline and oil.....	165.70	
Miscellaneous.....	28.44	
Repairs.....	35.85	
Balance to Excess and Deficiency.....	15.72	
	\$1,110.00	\$1,110.00

REPAIRS AND BUILDINGS

Receipts

Appropriation—Budget.....	\$250.00
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Expended

Bills paid, stock and labor.....	\$187.81	
Balance to Excess and Deficiency.....	62.19	
	\$250.00	\$250.00

OTHER EXPENSES**Receipts**

Appropriation—Budget.....		\$570.00
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Expended

Auto, use of.....	\$18.00	
Bedding, furniture and sundries.....	52.86	
Books and stationery.....	10.25	
Express.....	26.62	
Miscellaneous.....	59.81	
Supplies.....	232.87	
Telephone.....	109.48	
Water rates.....	59.92	
Balance to Excess and Deficiency.....	.19	
	\$570.00	\$570.00

PENSIONS**Receipts**

Appropriation—Budget.....		\$200.00
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Expended

Pay roll.....	\$200.00	
	\$200.00	\$200.00

BRUSH FIRES**Receipts**

Appropriation.....		\$400.00
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Expended

Pay rolls.....	\$224.30	
Balance to Excess and Deficiency.....	175.70	
	\$400.00	\$400.00

PURCHASE OF RUBBER COATS**Receipts**

Appropriation—Budget.....		\$144.00
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Expended

Bills paid.....	\$119.95	
Balance to Excess and Deficiency.....	24.05	
	\$144.00	\$144.00

FIRE ALARM MAINTENANCE**Receipts**

Appropriation.....	\$500.00
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Expended

Batteries.....	\$.70	
Gamewell Fire Alarm & Tel. Co.....	100.00	
Electric Power.....	1.40	
Miscellaneous.....	12.13	
Pay rolls.....	55.50	
Repairs.....	70.02	
Supplies.....	129.38	
Team hire.....	95.00	
Telephone.....	35.25	
Balance to Excess and Deficiency.....	.62	
	\$500.00	\$500.00

FIRE ALARM BOX—No. 9494**Receipts**

No. 9494, transferred from Excess and Deficiency.....	\$125.00
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Expended

Gamewell Fire Alarm & Tel. Co.....	\$125.00	
	\$125.00	\$125.00

FIRE ALARM BOX—No. 9795**Receipts**

Appropriation—Budget.....	\$175.00
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Expended

Gamewell Fire Alarm & Tel. Co.	\$125.51	
Pay roll.	16.00	
Wires.	31.87	
Balance to Excess and Deficiency.	1.62	
	\$175.00	\$175.00

INSPECTOR OF BUILDINGS**Receipts**

Appropriation—Budget.	\$425.00
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Expended

Salary.	\$400.00	
Printing.	25.00	
	\$425.00	\$425.00

INSPECTOR OF WIRES**Receipts**

Appropriation—Budget.	\$1,100.00
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Expended

Salary.	\$1,100.00	
	\$1,100.00	\$1,100.00

OTHER EXPENSES**Receipts**

Appropriation—Budget.	\$50.00
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Expended

Books and stationery.	\$6.50	
Miscellaneous.	1.25	
Telephone.	11.57	
Balance to Excess and Deficiency.	30.68	
	\$50.00	\$50.00

SEALER OF WEIGHTS AND MEASURES—Salary and Expenses

Receipts

Appropriation—Budget		\$600.00
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Expended

Salary	\$600.00	
	\$600.00	\$600.00

OTHER EXPENSES

Receipts

Appropriation—Budget		\$50.00
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Expended

Books, stationery and postage	\$28.06	
Miscellaneous	10.43	
Team hire	5.00	
Balance to Excess and Deficiency	6.51	
	\$50.00	\$50.00

BOARD OF CONTROL

Receipts

Appropriation—Budget		\$25.00
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Expended

Transferred to Excess and Deficiency	\$25.00	
	\$25.00	\$25.00

FORESTRY

Brown Tail and Gypsy Moth Extermination

Receipts

Appropriation—Budget		\$1,500.00
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Expended

Advertising and printing	\$29.75	
Insurance	20.40	
Pay rolls	1,269.83	
Repairs	6.50	
Telephone	5.51	
Tools and supplies	94.88	
Balance to Excess and Deficiency	73.13	
	\$1,500.00	\$1,500.00

PRIVATE WORK**Receipts**

Appropriation—Budget	\$500.00
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Expended

Pay rolls	\$96.27	
Insurance	22.00	
Postage	10.00	
Balance to Excess and Deficiency	371.73	
	\$500.00	\$500.00

OTHER INSECT PESTS**Receipts**

Appropriation—Budget	\$1,000.00
Cash from hay	8.00

Expended

Insurance	20.00	
Miscellaneous	20.00	
Pay rolls	353.75	
Rent	10.00	
Repairs	187.60	
Spraying	230.20	
Teaming	35.90	
Tools and supplies	149.90	
Balance to Excess and Deficiency	.65	
	\$1,008.00	\$1,008.00

CITY OF MELROSE

CARE OF TREES

Receipts

Appropriation—Budget.....		\$500.00
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Expended

Bill.....	\$7.40	
Pay roll.....	441.48	
Team hire, gravel and loom.....	26.09	
Tools.....	11.25	
Putty and wire.....	7.57	
Balance to Excess and Deficiency.....	6.21	
	\$500.00	\$500.00

REMOVAL OF TREES

Receipts

No. 9897, transferred from Excess and Deficiency.....	\$50.00
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Expended

Pay rolls.....	49.86	
Balance to Excess and Deficiency.....	.14	
	\$50.00	\$50.00

CARE AND PLANTING NEW TREES

Receipts

Appropation—Budget.....	500.00
Cash from individuals.....	132.00
	\$632.00

Expended

Advertising.....	\$4.00	
Engineering—salaries and wages.....	61.50	
Labor.....	20.93	
Loam.....	80.00	
Pay rolls.....	159.20	
Team hire.....	7.13	
Trees.....	168.75	
Balance to Excess and Deficiency.....	130.49	
	\$632.00	\$632.00

DOG OFFICERS**Receipts**

Cash from County Treasurer		\$30.00
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Expended

Paid officer killing dogs	30.00	
	\$30.00	\$30.00

HEALTH AND SANITATION**Health Department**

(See report of Health Board for details)

General Administration**Receipts**

Appropriation—Budget		\$1,200.00
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Expended

Salaries and bills paid	\$1,199.14	
Balance to Excess and Deficiency	.86	
	\$1,200.00	\$1,200.00

QUARANTINE AND CONTAGIOUS HOSPITAL**Receipts**

Appropriation—Budget		\$3,000.00
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Expended

Bills paid	\$1,318.41	
No. 9856, transferred to removal of garbage	500.00	
No. 9929, transferred to removal of garbage	600.00	
No. 9928, transferred to tuberculosis	500.00	
No. 9928, transferred to other expenses	50.00	
Balance to Excess and Deficiency	31.59	
	\$3,000.00	\$3,000.00

TUBERCULOSIS

Receipts

Appropriation—Budget	\$1,200.00	
No. 9928, transferred from quarantine	500.00	\$1,700.00

Expended

Bills paid	\$1,635.71	
Balance to Excess and Deficiency	64.29	
	\$1,700.00	\$1,700.00

VITAL STATISTICS

Receipts

Appropriation—Budget	\$220.00
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Expended

Return of births	\$154.75	
Return of deaths	65.00	
Balance to Excess and Deficiency	.25	
	\$220.00	\$220.00

OTHER EXPENSES

Receipts

Appropriation—Budget	\$1,000.00	
Cash received	9.50	
No. 9928, transfer from quarantine	50.00	\$1,059.50

Expended

Bills paid	1,007.72	
Transferred to dead animals	40.50	
Balance to Excess and Deficiency	11.28	
	\$1,059.50	\$1,059.50

INSPECTION OF SCHOOL CHILDREN

Receipts

Appropriation—Budget	\$225.00	
No. 9998, transfer from inspection of animals	48.00	273.00

Expended

Salaries of Inspectors	\$273.00	
	\$273.00	\$273.00

INSPECTION OF ANIMALS AND SLAUGHTERING

Receipts

Appropriation—Budget	\$150.00
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Expended

Salary of Inspector	\$102.00	
No. 9998, transferred to inspection of school children	48.00	.
	\$150.00	\$150.00

INSPECTION OF MILK AND VINEGAR

Receipts

Appropriation—Budget	\$100.00
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Expended

Salary of Inspector	\$100.00	
	\$100.00	\$100.00

INSPECTION OF MILK ANALYSIS

Receipts

Appropriation—Budget	\$400.00
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Expended

Salary of Inspector	\$400.00	
	\$400.00	\$400.00

SANITATION

(See report of Engineer and Supt. of Public Works for details).

Sewer-Maintenance and Operation**Receipts**

Appropriation—Budget	\$1,200.00	
Cash received	42.34	\$1,242.34

Expended

Bills paid	1,204.57	
Overpaid 1915	.50	
Balance to Excess and Deficiency	37.27	
	\$1,242.34	\$1,242.34

Surface Drainage—Maintenance**Receipts**

Appropriation	\$2,500.00	
Transferred from cleaning brooks	500.00	
Transferred from surface drainage construction	671.75	\$3,671.75

Expended

Bills and pay rolls paid	3,671.75	
	\$3,671.75	\$3,671.75

Collection of Ashes and Rubbish**Receipts**

Appropriation—Budget		\$5,500.00
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Expended

Pay rolls and bills paid	\$5,425.69	
Balance to Excess and Deficiency	74.31	
	\$5,500.00	\$5,500.00

Removal of Garbage

(See Health Dept. Report.)

Receipts

Appropriation.....	\$1,200.00	
Nos. 9876 and 9929, transferred from quarantine.....	1,100.00	\$2,300.00

Expended

Bills paid.....	2,299.18	
Balance to Excess and Deficiency.....	.82	
	\$2,300.00	\$2,300.00

Burial of Dead Animals**Receipts**

Transfer from Health and Other Expenses	\$40.50
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Expended

Bills paid.....	40.50	
	\$40.50	\$40.50

Street Cleaning**Receipts**

Appropriation.....—Budget.....	\$5,000.00
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Expended

Pay rolls and bills paid.....	\$5,000.00	
	\$5,000.00	\$5,000.00

Cleaning Brook**Receipts**

Appropriation—Budget.....	\$500.00
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Expended

Transferred to surface drainage main- tenance.....	500.00	
	\$500.00	\$500.00

HIGHWAYS

(See Report of Eng. and Supt. of Public Works for details.)

General Administration**Receipts**

Appropriation—Budget.....		\$2,000.00
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Expended

Salaries paid.....	\$2,000.00	
	\$2,000.00	\$2,000.00

Repairing**Receipts**

Appropriation.....	\$17,500.00	
Transferred from Bank and Corporation Tax St. R. R. Tax.....	1,654.00	
Transferred from Bank and Corporation Tax, St. R. R. Excise Tax.....	2,446.24	
Cash receipts.....	140.96	
Transfer bills.....	19,647.97	41,389.17

Expended

Bills and pay rolls and transfer paid.....	41,379.79	
Balance to Excess and Deficiency.....	9.38	
	\$41,389.17	\$41,389.17

Individual Walks**Receipts**

Balance Dec. 31, 1915.....	\$559.47	
Appropriation—Budget.....	1,000.00	
Cash deposits.....	1,200.22	
Transfer bill.....	69.97	\$2,829.66

Expended

Bills and pay rolls and transfer bills paid	1,933.37	
Cash refunded on deposits.....	202.57	
Balance to 1917.....	693.72	
	\$2,829.66	\$2,829.66

Sidewalk—Repairs**Receipts**

Appropriation—Budget.....	\$5,000.00	
Cash receipts.....	12.77	
Transfer bills.....	132.70	5,145.47

Expended

Bills, pay rolls and transfer bills paid.....	5,098.56	
Balance to Excess and Deficiency.....	46.91	
	\$5,145.47	\$5,145.47

Street Sprinkling—Water and Oil

Balance from 1915.....	\$3,900.09	
Receipts 1916 assessments.....		\$10,626.47

Expended

Bills, Pay roll and transfer bill—Water...	\$1,179.07	
Bills, pay roll, and transfer bills—Oil	9,977.22	
Balance to 1917.....		4,429.91
	\$15,056.38	\$15,056.38

Street Lighting**Receipts**

Appropriation—Budget.....	\$18,998.00	
Transfer from Park Dept.....	252.00	\$19,250.00

Expended

Bills paid—Contract.....	19,223.94	
Balance to Excess and Deficiency.....	26.06	
	\$19,250.00	\$19,250.00

CITY OF MELROSE

Street Signs and Numbering

Receipts

Appropriation—Budget.....		\$250.00
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Expended

Bills and pay roll paid.....	\$236.39	
Balance to Excess and Deficiency.....	13.61	
	\$250.00	\$250.00

Cleaning Snow, Ice and Sanding

Receipts

Appropriation—Budget.....	\$2,000.00	
No. 9999, transferred from Excess and Deficiency.....	500.00	\$2,500.00

Expended

Transferred to Highway Maintenance....	2,500.00	
	\$2,500.00	\$2,500.00

CHARITIES

(See Overseers of Poor Report for details.)

General Administration

Receipts

Appropriation—Budget.....		\$1,050.00
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Expended

Salaries of Board.....	\$600.00	
Salaries of Clerks.....	309.52	
Other expenses.....	37.49	
Telephones.....	43.99	
Balance to Excess and Deficiency.....	59.00	
	\$1,050.00	\$1,050.00

Almshouse and Farm

Receipts

Appropriation—Budget.....	\$2,800.00	
No. 9632, transferred from Excess and Deficiency.....	100.00	
No. 9979, transferred from Outside Relief	358.44	\$3,258.44

Expended

Salaries and wages.....	511.64	
Supplies.....	2,475.33	
Balance to Excess and Deficiency.....	271.47	
	\$3,258.44	\$3,258.44

Outside Relief by City**Receipts**

Appropriation—Budget.....	\$3,000.00
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Expended

Cash Orders.....	\$496.00	
Bills paid supplies.....	1,335.86	
No. 9979, transferred to Relief by Other Cities.....	500.00	
No. 9979, transferred to Mothers' Aid....	300.00	
No. 9979, transferred to Almshouse.....	358.44	
Overdraft 1915.....	9.70	
	\$3,000.00	\$3,000.00

Relief by Other Cities and Towns**Receipts**

Appropriation—Budget.....	\$2,500.00	
No. 9979, transferred from Outside Relief	500.00	\$3,000.00

Expended

Bills paid.....	3,075.92	
Overdraft to 1917.....		75.92
	\$3,075.92	\$3,075.92

Mothers' Aid**Receipts**

Appropriation—Budget.....	\$3,500.00	
No. 9979, transferred from Outside Relief	300.00	\$3,800.00

CITY OF MELROSE

Expended

Cash orders.....	2,751.50	
Bills paid supplies.....	938.06	
Balance to Excess and Deficiency.....	110.44	
	\$3,800.00	\$3,800.00

E. Toothaker Fund**Receipts**

Balance from 1915.....	\$1,429.93	
Interest received on fund.....	57.19	\$1,487.12

Expended

Bills paid.....	12.93	
Balance to 1917.....	1,474.19	
	\$1,487.12	\$1,487.12

Melrose Hospital**Receipts**

Appropriation—Budget.....	\$1,000.00	
Cash collected for Hospital.....	46.45	\$1,046.45

Expended

Board and care at Hospital.....	1,000.00	
Cash refunded to Hospital.....	46.45	
	\$1,046.45	\$1,046.45

SOLDIERS' BENEFITS**General Administration****Receipts**

Appropriation—Budget.....		\$100.00
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Expended

Salary of Agent.....	\$100.00	
	\$100.00	\$100.00

State Aid

(Paid by Commonwealth Nov. 1917.)

Pay rolls	\$3,196.80	
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Soldiers' Burial

(Paid by Commonwealth Nov. 1917.)

Bills paid	\$50.00	
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Soldiers' Relief**Receipts**

Appropriation—Budget	\$3,500.00	
No. 9896, transferred from Excess and Deficiency	300.00	\$3,800.00

Expended

Auto, use of	5.00	
Cash orders	2,870.00	
Dry goods and shoes	14.75	
Fuel	501.73	
Groceries and provisions	218.50	
Medical attendance and medicine	103.42	
Rent	86.00	
Balance to Excess and Deficiency	.60	
	\$3,800.00	\$3,800.00

OTHER EXPENSES**Receipts**

Appropriation—Budget	\$50.00
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Expended

Bills paid	45.22	
Balance to Excess and Deficiency	4.78	
	\$50.00	\$50.00

CITY OF MELROSE

EDUCATION—SCHOOL DEPARTMENT

(See report of Supt. of Schools for details.)

General Expenses—Administration, Salaries

Receipts

Appropriation—Budget		\$3,000.00
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Expended

Salary of Supt.	\$3,000.00	
	\$3,000.00	\$3,000.00

Other General Salaries

Receipts

Appropriation—Budget		\$1,300.00
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Expended

Salaries of Clerk and Truant Officer	\$1,300.00	
	\$1,300.00	\$1,300.00

OTHER GENERAL EXPENSES

Receipts

Appropriation—Budget	\$650.00	
No. 9954 C, transfer from transportation	100.00	\$750.00

Expended

Office supplies	142.12	
Miscellaneous	20.95	
Telephones	326.27	
Travelling expenses	253.62	
Transfer to text books and supplies	7.00	
No. 9954, transferred to maintenance of buildings	.04	
	\$750.00	\$750.00

TEACHERS' SALARIES

Receipts

Appropriation—Budget.....		\$75,500.00
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Expended

Pay Rolls.....	\$75,481.47	
No. 9954C, transferred to maintenance of buildings.....	18.53	
	\$75,500.00	\$75,500.00

TEACHING SUMMER SCHOOL

Receipts

No. 9835, transferred from Excess and Deficiency.....		\$64.00
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Expended

Pay roll.....	\$64.00	
	\$64.00	\$64.00

TEXT BOOKS AND SUPPLIES

Receipts

Appropriation—Budget.....	\$5,500.00	
Transferred from other general expenses..	7.00	\$5,507.00

Expended

Bills paid.....	5,499.72	
No. 9954C, transferred to maintenance of buildings.....	7.28	
	\$5,507.00	\$5,507.00

TUITION

Receipts

Tuition receipts—Appropriation—Budget	\$2,000.00
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Expended

Bills paid.....	\$1,995.20	
No. 9954C, transferred to maintenance of buildings.....	4.80	
	\$2,000.00	\$2,000.00

TRANSPORTATION**Receipts**

Appropriation—Budget.....	\$700.00
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Expended

Bills paid.....	\$567.00	
No. 9954, transferred to other general expenses.....	100.00	
No. 9954, transferred to other expenses...	33.00	
	\$700.00	\$700.00

SUPPORT OF TRUANTS**Receipts**

Appropriation—Budget.....	\$100.00
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Expended

Bills paid.....	\$52.00	
No. 9954C, transferred to maintenance of buildings.....	48.00	
	\$100.00	\$100.00

JANITORS' SERVICES**Receipts**

Appropriation—Budget.....	8,500.00
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Expended

Pay rolls.....	\$8,394.99	
No. 9954C, transferred to maintenance of buildings.....	105.01	
	\$8,500.00	\$8,500.00

FUEL AND LIGHTS**Receipts**

Appropriation—Budget.....	\$4,700.00	
No. 9708, transferred from revenue budget	\$2,000.00	
Transferred from tuition budget.....	800.00	\$7,500.00

Expended

Bills paid.....	\$7,485.40	
No. 9954C, transferred to maintenance of buildings.....	14.60	
	\$7,500.00	\$7,500.00

MAINTENANCE OF BUILDINGS AND GROUNDS**Receipts**

Appropriation—Budget.....	\$5,000.00	
No. 9954C, transferred from sundry accts.	274.67	\$5,274.67

Expended

Bills paid.....	5,274.67	
	\$5,274.67	\$5,274.67

FURNITURE AND FURNISHINGS**Receipts**

Appropriation—Budget.....		\$200.00
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Expended

Bills paid.....	\$197.75	
No. 9954C, transferred to maintenance of buildings.....	2.25	
	\$200.00	\$200.00

OTHER EXPENSES

Receipts

Appropriation—Budget	\$500.00	
No. 9954C, transferred from transpor'n ..	33.00	\$533.00

Expended

Bills paid	532.25	
No. 9954C, transferred to maintenance of buildings	.75	
	\$533.00	\$533.00

HIGH SCHOOL TELEPHONE AND BLACKBOARD FOR GRAMMAR
SCHOOL

Receipts

Appropriation—Budget	\$500.00
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Expended

Bills paid	481.62	
No. 9954C, transferred to maintenance of buildings	18.38	
	\$500.00	\$500.00

FIRE ESCAPES AND EXITS SEWALL AND WHITTIER SCHOOL
BUILDINGS

Receipts

Balance from 1915	\$600.00
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Expended

Bills paid	\$583.29	
No. 9954C, transferred to maintenance of buildings	16.71	
	\$600.00	\$600.00

RECEIPTS FROM TUITION

Receipts

Balance from 1915.....	\$64.47	
Receipts.....	3,256.48	\$3,320.95

Expended

Transferred to tuition, Appr., Budget.....	\$2,000.00	
Transferred to fuel and lights, Appr., Bdgt.	800.00	
No. 9954C, transferred to maintenance of buildings.....	38.32	
Balance to 1917.....	482.63	
	\$3,320.95	\$3,320.95

SALE OF OLD SCHOOL BUILDINGS

Receipts

Cash.....		\$165.00
Balance to 1917.....	\$165.00	
	\$165.00	\$165.00

LIBRARIES—Salaries and Wages

Receipts

Appropriation—Budget.....		\$2,995.00
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Expended

Pay rolls.....	\$2,970.55	
Balance to Excess and Deficiency.....	24.45	
	\$2,995.00	\$2,995.00

BOOKS AND PERIODICALS

Receipts

Appropriation—Budget.....	\$1,900.00	
No. 10001, transferred from sundry acct.	300.00	\$2,200.00

Expended

Bills paid.....	2,170.03	
Transferred to East Side Branch.....	29.87	
Balance to Excess and Deficiency.....	.10	
	\$2,200.00	\$2,200.00

BINDING**Receipts**

Appropriation—Budget.....		\$500.00
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Expended

Bills paid.....	\$385.10	
No. 100001, transferred to books and periodicals.....	100.00	
Balance to Excess and Deficiency.....	14.90	
	\$500.00	\$500.00

FUEL AND LIGHTS**Receipts**

Appropriation—Budget.....		\$550.00
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Expended

Bills paid.....	\$497.57	
Balance to Excess and Deficiency.....	52.43	
	\$550.00	\$550.00

BUILDINGS AND JANITORS' SUPPLIES**Receipts**

Appropriation—Budget.....		\$300.00
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Expended

Bills paid.....	\$298.00	
Balance to Excess and Deficiency.....	2.00	
	\$300.00	\$300.00

OTHER EXPENSES

Receipts

Appropriation—Budget.....		\$300.00
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Expended

Bills paid.....	\$270.59	
Balance to Excess and Deficiency.....	29.41	
	\$300.00	\$300.00

BRANCH WARD 7

Receipts

Appropriation—Budget		\$250.00
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Expended

Bills paid.....	\$187.75	
No. 10001, transferred to books and periodicals.....	50.00	
Balance to Excess and Deficiency.....	12.25	
	\$250.00	\$250.00

BRANCH MELROSE HIGHLANDS

Receipts

Appropriation—Budget.....		\$700.00
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Expended

Pay rolls and bills.....	\$586.77	
No. 10001, transferred to books and periodicals.....	100.00	
Balance to Excess and Deficiency.....	13.23	
	\$700.00	\$700.00

EAST SIDE BRANCH

Receipts

Appropriation—Budget.....	\$200.00	
Transferred from books and periodicals..	29.87	\$229.87

Expended

Bills paid.....	174.51	
No. 10001, transferred to books and periodicals.....	50.00	
Balance to Excess and Deficiency.....	5.36	
	\$229.87	\$229.87

RECREATION

PINE BANKS PARK

(See report of Trustees.)

Receipts

Appropriation—Budget.....	\$1,600.00
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Expended

Paid Treasurer Pine Banks Park Trustees	1,600.00	
	\$1,600.00	\$1,600.00

PARK DEPARTMENT

(See report of Park Comrs. for details.)

General Administration—Salaries and Wages

Receipts

Appropriation—Budget.....	\$50.00
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Expended

Salary of clerk.....	\$50.00	
	\$50.00	\$50.00

OTHER EXPENSES

Receipts

Balance from 1915.....	\$67.64	
Appropriation—Budget.....	100.00	\$167.64

Expended

Bills paid.....	124.15	
Transferred to Parks and Gardens, other expenses.....	9.74	
Balance to Excess and Deficiency.....	33.75	
	\$167.64	\$167.64

PARKS AND GARDENS—Salaries and Wages**Receipts**

Appropriation—Budget.....	\$1,000.00	
Transferred from playgrounds salaries and wages,.....	6.00	
No. 9996, transferred from sundry accounts	231.02	\$1,237.02

Expended

Bills paid.....	1,200.83	
Balance to Excess and Deficiency.....	36.19	
	\$1,237.02	\$1,237.02

IMPROVEMENTS AND ADDITIONS**Receipts**

Appropriation—Budget.....	\$750.00
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Expended

Bills paid.....	\$411.56	
No. 9790, transferred playgrounds—improvements and additions.....	100.00	
No. 9790, transferred parks and gardens—other expenses.....	53.10	
No. 9996, transferred to parks and gardens, salaries and wages.....	185.34	
	\$750.00	\$750.00

CITY OF MELROSE

OTHER EXPENSES

Receipts

Appropriation—Budget.....	\$200.00	
No. 7983, transferred from Excess and Deficiency.....	15.00	
No. 9790, transferred from parks and gardens—improvements and additions.....	53.10	
No. 9790, transferred from playgrounds— improvements and additions.....	5.00	
No. 9790, transferred from general admin- istration, other expenses.....	9.74	\$282.84

Expended

Bills paid.....	282.46	
No. 9996, transferred to parks and gardens —Salaries and wages.....	.38	
	\$282.84	\$282.84

ELL POND PARK LIGHTING

Receipts

Appropriation—Budget.....	\$252.00
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Expended

Bills paid.....	252.00	
	\$252.00	\$252.00

HORACE MANN PARK

Receipts

Balance from 1915.....	\$465.00	
No. 9781B, transferred from Excess and Deficiency.....	500.00	\$965.00

Expended

Bills paid.....	965.00	
	\$965.00	\$965.00

PLAYGROUNDS—Salaries nad Wages

Receipts

Appropriation—Budget.		\$50.00
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Expended

Pay rolls.	\$15.00	
Transferred to park and gardens, salaries wages.	6.00	
No. 9996, transferred to park and gardens, salaries and wages.	29.00	
	\$50.00	\$50.00

IMPROVEMENTS AND ADDITIONS

Receipts

Appropriation—Budget.	\$400.00	
No. 9790, transferred from parks and gardens, improvements.	100.00	\$500.00

Expended

Bills paid.	494.77	
Transfer to parks and gardens, other expenses.	5.00	
No. 9996, transfer to parks and gardens, salaries and wages.	.23	
	\$500.00	\$500.00

OTHER EXPENSES

Receipts

Appropriation—Budget.	\$50.00
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Expended

Bills paid.	\$19.25	
Balance to 1917.	30.75	
	\$50.00	\$50.00

CITY OF MELROSE

BATH-HOUSES—Salaries and Wages

Receipts

Appropriation—Budget.....		\$350.00
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Expended

Pay rolls.....	350.00	
	\$350.00	\$350.00

IMPROVEMENTS AND ADDITIONS

Receipts

Appropriation—Budget.....		\$25.00
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Expended

Bills paid.....	\$8.94	
N. 9996, transferred to parks and gardens, salaries and wages.....	16.06	
	\$25.00	\$25.00

OTHER EXPENSES

Receipts

Appropriation—Budget.....		\$25.00
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Expended

Bills paid.....	24.99	
No. 9996, transferred to parks and gardens, salaries and wages.....	.01	
	\$25.00	\$25.00

CELEBRATIONS AND ENTERTAINMENTS

FOURTH OF JULY

Receipts

Appropriation—Budget.....	\$500.00	
Cash from individuals.....	10.00	\$510.00

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Expended		
Bills paid.....	\$505.00	
Balance to 1917.....	5.00	
	\$510.00	\$510.00

RINGING BELLS

Receipts		
Appropriation—Budget.....		\$50.00
Expended		
Bills paid.....	40.00	
Balance to Excess and Deficiency.....	10.00	
	\$50.00	\$50.00

UNCLASSIFIED VETERAN FIRE ASSOCIATION

Receipts		
Appropriation—Budget.....		\$25.00
Expended		
Bills paid.....	25.00	
	\$25.00	\$25.00

MEMORIAL DAY—G. A. R.

Receipts		
Appropriation—Budget.....		\$325.00
Expended		
Bills paid.....	\$316.92	
Balance to Excess and Deficiency.....	8.08	
	\$325.00	\$325.00

PRINTING CITY REPORT

Receipts

Appropriation—Budget.....		\$500.00
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Expended

Bills paid.....	\$475.73	
Balance to Excess and Deficiency.....	24.27	
	\$500.00	\$500.00

ICE FOR DRINKING FOUNTAIN

Receipts

Appropriation—Budget.....		\$50.00
Balance to 1917.....	\$50.00	
	\$50.00	\$50.00

INSURANCE

Receipts

Appropriation—Budget.....		\$1,300.00
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Expended

Premiums paid.....	\$1,269.99	
Balance to Excess and Deficiency.....	30.01	
	\$,1300.00	\$1,300.00

PUBLIC SERVICE ENTERPRISE

WATER MAINTENANCE

(See report of Eng. and Supt. of Public Works for details.)

Receipts

Balance from 1915.....	\$3,312.62	
Appropriation—Budget.....	15,000.00	
Cash for On and Off.....	65.05	
Refunded freight bill.....	6.91	
Cash for pipe.....	78.24	
Old junk, etc.....	584.71	
Transfer bills.....	5,490.67	\$24,538.20

AUDITOR'S REPORT

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Expended

Pay rolls and bills.....	17,648.58	
Transfer to water income.....	3312.62	
Transfer balance 1915 to water income...	3,577.00	
	\$24,538.20	\$24,538.20

No. 9622—PENSIONS

Payments made from maintenance acct...	\$347.20
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INSIDE SERVICE

Cash deposits.....	\$3,152.89
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Expended

Pay rolls and bills paid.....	2,677.93	
Refund of estimates.....	336.93	
Balance to 1917.....	138.03	
	\$3,152.89	\$3,152.89

DRINKING WATER FOR HORSES

Receipts

No. 9956, transferred from Excess and Deficiency.....		\$100.00
Balance to 1917.....	\$100.00	
	\$100.00	\$100.00

PUBLIC SCALES

Receipts

Fees.....	\$34.20
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Expended

Bills paid.....	\$4.00	
Balance to Excess and Deficiency.....	30.20	
	\$34.20	\$34.20

CITY OF MELROSE

CEMETERIES

(See report of Cemetery Committee for details.)

Receipts

Cash received—Budget.....	\$8,074.03	
Order, care of Soldiers' Graves—Budget	158.00	\$8,232.03

Expended

Pay rools and bills paid.....	\$8,261.74	
Overdraft to 1917.....		29.71
	\$8,261.74	\$8,261.74

INTEREST

Receipts

Appropriation—Budget.....	\$37,500.00	
Accrued interest.....	189.74	
Betterment assessments.....	276.05	
City possessions.....	88.89	
Melrose Trust Co. on deposits.....	574.85	
Old Colony Trust Co., on deposits.....	617.43	
Sewer assessments.....	481.94	
Sidewalk assessments.....	284.68	
Taxes.....	9,072.74	
Tax takings.....	1,489.42	
Tax titles.....	73.47	\$50,649.21

Expended

Auditorium coupons.....	1,320.00	
Cemetery Trust Funds.....	1,481.48	
Municipal and permanent notes.....	3,771.30	
Park coupons.....	480.00	
Refund.....	.89	
School coupons.....	6,770.00	
Sewer coupons.....	16,352.50	
Surface drainage coupons.....	6,510.00	
Temporary loans.....	8,810.95	
E. Toothaker Fund.....	57.19	
Overdraft 1915.....	1,070.07	
Balance to 1917.....	4,024.83	
	\$50,649.21	\$50,649.21

GUARANTEE DEPOSITS

Receipts

Balance from 1915.....	\$100.00	
Cash and checks.....	850.00	\$950.00

Expended

Checks and cash returned.....	\$950.00	
	\$950.00	\$950.00

AGENCY TRUST AND INVESTMENTS

Agency

Cash received from taxes for state.....		\$32,000.00
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Expended

Paid State Treasurer.....	\$32,000.00	
	\$32,000.00	\$32,000.00
Cash received from taxes for County.....		\$20,650.93

Expended

Paid County Treasurer.....	\$20,650.93	
	\$20,650.93	\$20,650.93

METROPOLITAN SEWER TAX

Amount of warrant.....		\$16,153.54
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Expended

Paid State Treasurer.....	\$16,153.54	
	\$16,153.54	\$16,153.54

METROPOLITAN PARK TAX

Amount of warrant.....		\$8,183.80
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CITY OF MELROSE

Expended

Paid State Treasurer.....	\$8,183.80	
	\$8,183.80	\$8,183.80

METROPOLITAN STATE HIGHWAY TAX

Amount of warrant.....	\$200.00
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Expended

Paid State Treasurer.....	\$200.00	
	\$200.00	\$200.00

CHARLES RIVER BASIN TAX

Amount of warrant.....	\$1,834.04
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Expended

Paid State Treasurer.....	\$1,834.04	
	\$1,834.04	\$1,834.04

FIRE PREVENTION TAX

Amount of warrant.....	\$289.30
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Expended

Paid State Treasurer.....	\$289.30	
	\$289.30	\$289.30

NON-REVENUE
PRIVATE SEWERS

(See report of Engr. and Supt. of Public Works for details.)

Receipts

Balance from 1915.....	\$127.43	
Cash received deposits.....	3,561.75	\$3,689.18

AUDITOR'S REPORT

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Expended

Pay rolls and bills.....	2,787.86	
Cash refunded.....	598.85	
Balance to 1917.....	302.47	
	\$3,689.18	\$3,689.18

SEWER CONSTRUCTION

Receipts

Balance from 1915.....	\$5,468.49	
Proceeds of sale of bonds.....	10,000.00	
Sundry cash receipts.....	84.07	
Transfer bills.....	3,867.78	\$19,420.34

Expended

Pay rolls, bills and transfer bills.....	\$9,617.44	
Balance to 1917.....	9,802.90	
	\$19,420.34	\$19,420.34

SURFACE DRAINAGE CONSTRUCTION

Receipts

Balance from 1915.....	\$1,673.06	
Proceeds of sale of bonds.....	15,000.00	
Sundry cash receipts.....	37.11	
Transfer bills.....	443.80	\$17,153.97

Expended

Pay rolls, bills and transfer bills.....	\$12,069.54	
Balance to 1917.....	5,084.43	
	\$17,153.97	\$17,153.97

SURFACE DRAINAGE
(Spot Pond Brook Improvement)

Receipts

No. 9877, loan authorized.....		\$7,200.00
Balance to 1917.....	\$7,200.00	
	\$7,200.00	\$7,200.00

CITY OF MELROSE

HIGHWAYS—Continuous Walks

Receipts

Balance from 1915.....	\$2,091.72	
Proceeds of notes.....	20,000.00	
Assessments collected.....	5,848.95	\$27,940.67

Expended

Pay rolls, bills and transfer bill.....	24,760.12	
Balance to 1917.....	3,180.55	
	\$27,940.67	\$27,940.67

LAYING CROSSWALKS AND PAVING GUTTERS

Receipts

Balance from 1915.....	\$123.03	
No. 9713, loans authorized.....	2,500.00	\$2,623.03

Expended

Pay rolls and bills.....	2,593.10	
Balance to 1917.....	29.93	
	\$2,623.03	\$2,623.03

EAST FOSTER STREET—Construction

Receipts

No. 9413, loans authorized.....	\$2,400.00
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Expended

Pay rolls and bills.....	2,006.18	
Balance to 1917.....	393.82	
	\$2,400.00	\$2,400.00

DYER AVENUE

Receipts

Balance from 1915.....	\$48.30
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Expended

Bills paid.....	\$43.49	
Balance to 1917.....	4.81	
	\$48.30	\$48.30

FIRST STREET—Eleventh Street to Waverly Avenue

Receipts

Balance from 1915.....	\$207.25
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Expended

Pay rolls and bills.....	\$128.21	
Balance to 1917.....	79.04	
	\$207.25	\$207.25

LYNDE AVENUE—Construction

Receipts

Balance from 1915.....	\$2,300.00
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Expended

* Pay rolls and bills.....	\$2,070.52	
Balance to 1917.....	229.48	
	\$2,300.00	\$2,300.00

MARVIN ROAD

Receipts

No. 9345, loans authorized.....	\$3,000.00
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Expended

Pay rolls and bills.....	\$3,000.00	
	\$3,000.00	\$3,000.00

GARFIELD ROAD

Receipts

No. 8072, loans authorized.....	\$800.00
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CITY OF MELROSE

Expended

Pay rolls and bills.....	\$800.00	
	\$800.00	\$800.00

WARWICK ROAD

Receipts

No. 9633, loans authorized.....		\$1,000.00
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Expended

Pay rolls and bills.....	727.25	
Balance to 1917.....	272.75	
	\$1,000.00	\$1,000.00

ARGYLE STREET EXTENSION

Receipts

No. 6722B, loans authorized.....		\$500.00
Balance to 1917.....	\$500.00	
	\$500.00	\$500.00

MALVERN STREET—Macadamizing

Receipts

No. 9495, loans authorized.....		\$1,300.00
Balance to 1917.....	\$1,300.00	
	\$1,300.00	\$1,300.00

BEVERLY STREET—Macadamizing

Receipts

No. 9657, loans authorized.....		\$1,600.00
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Expended

Pay rolls and bills.....	\$1,493.96	
Balance to 1917.....	106.04	
	\$1,600.00	\$1,600.00

HENRY AVENUE—Macadamizing

Receipts

No. 9392, loans authorized	\$2,800.00	
Transfer bills	554.87	\$3,354.87

Expended

Pay rolls, bills and transfer bills	3,354.87	
	\$3,354.87	\$3,354.87

EAST EMERSON STREET

Receipts

No. 9624B, loans authorized		\$2,000.00
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Expended

Pay rolls and bills	\$1,829.23	
Balance to 1917	170.77	
	\$2000.00	\$2,000.00

STEVENS ROAD

Receipts

No. 8690B, loans authorized		\$2,870.00
Balance to 1917	\$2,870.00	
	\$2,870.00	\$2,870.00

PLEASANT STREET

Receipts

No. 9319, loans authorized		\$5,000.00
Balance to 1917	\$5,000.00	
	\$5,000.00	\$5,000.00

HOPKINS STREET

Receipts

No. 9396, loans authorized		\$2,600.00
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CITY OF MELROSE

Expended

Pay rolls and bills.....	\$1,047.65	
Balance to 1917.....	1,552.35	
	\$2,600.00	\$2,600.00

NATALIE AVENUE

Receipts

No. 9776B, loans authorized.....		\$1,800.00
Balance to 1917.....	\$1,800.00	
	\$1,800.00	\$1,800.00

HAROLD STREET

Receipts

No. 9295B, loans authorized.....		\$500.00
Balance to 1917.....	\$500.00	
	\$500.00	\$500.00

PARK DEPARTMENT

PURCHASE OF ICE HOUSES

Receipts

No. 9877, loans authorized.....		\$6,600.00
Balance to 1917.....	6,600.00	
	\$6,600.00	\$6,600.00

WATER CONSTRUCTION

(See report of Engr. and Supt. of Public Works for details.)

Receipts

Balance from 1915.....	\$1,175.38	
Proceeds of sale of bonds.....	10,000.00	\$11,175.38
Cash for pipe.....	78.24	

AUDITOR'S REPORT

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Expended

Payrolls and bill	10,711.65	
Balance to 1917	463.73	
	\$11,175.38	\$11,175.38

TAILING ACCOUNT

Receipts

Balance from 1915	\$186.36	
Cash received	34.31	\$220.67
Balance to 1917	220.67	
	\$220.67	\$220.67

RESERVE FUND—15%

Receipts

Balance from 1915	\$2,845.88	
Transferred from sundry accounts	3,852.59	\$6,698.47

Expended

Bills paid	2,845.88	
Balance to 1917	3,852.59	
	\$6,698.47	\$6,698.47

PREMIUM FUNDS

WATER LOAN

Receipts

Cash received premium	\$155.00
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Expended

Paid bills cost of bonds	\$100.00	
Transferred to municipal indebtedness	55.00	
	\$155.00	\$155.00

CITY OF MELROSE

SEWER LOAN

Receipts		
Balance from 1915.....	\$8.90	
Cash received premiums.....	84.50	\$93.40
Expended		
Paid bills, cost of bonds.....	71.40	
Transferred to municipal indebtedness...	22.00	
	\$93.40	\$93.40

SURFACE DRAINAGE

Receipts		
Balance from 1915.....	\$162.00	
Cash received premiums.....	159.75	\$321.75
Expended		
Bills paid, cost of bonds.....	169.85	
Transferred to municipal indebtedness...	151.90	
	\$321.75	\$321.75

MUNICIPAL LOAN

Receipts		
Balance from 1915.....	\$42.50	
Cash received premiums.....	191.00	\$233.50
Expended		
Paid bill, cost of notes.....	155.00	
Transferred to municipal indebtedness...	78.50	
	\$233.50	\$233.50

SINKING FUNDS

Receipts		
Received from Sinking Fund Commission, school.....	\$200,000.00	
Received from Sinking Fund Commission, surface drainage.....	10,000.00	\$210,000.00
Expended		
Paid school bonds.....	200,000.00	
Paid surface drainage bonds.....	10,000.00	
	\$210,000.00	\$210,000.00

TRUST FUNDS
Cemetery—Perpetual Care
Receipts

Balance from 1915.....		\$37,647.50
Anderson, Oscar A.—single grave.....	\$15.00	
Andrews, Mrs. Lucy M.....	60.00	
Bennerson, Mrs. Phoebe N.....	175.00	
Chandler, Sylvannus R.....	94.00	
Collins, Mrs. Eliza J.....	30.00	
Coy, Fred M.....	60.00	
Dennerson, Jos. K.....	30.00	
De Silva, Frank.....	80.00	
Dickinson, Sarah E.....	90.00	
Eastman, Mrs. Mabel M.—4 single graves	60.00	
Fickett, Frank W.....	80.00	
Fuller, Miss Nancy	187.00	
Gilchrist, George E.....	150.00	
Gill, Charles E.....	125.00	
Goodwillie, Mrs. Elizabeth M.....	70.00	
Goodwin, Mrs. Marello—single grave....	15.00	
Howard, John L.....	100.00	
Jenks, Henry A.....	150.00	
Knowlton, Mrs. Diasy B.....	80.00	
Lawrence, Mrs. Jane N.....	112.00	
Leonard, Mrs. Mary.....	120.00	
Marsh, Edwin J.....	30.00	
Marston, Byron H.....	177.25	
Mildram, Mrs. Ella L.....	60.00	
Richardson, John H.....	60.00	
Robbins, Guy P.....	100.00	
Sargent, Miss Florence N.....	200.00	
Scott, James H.....	100.00	
Selfridge, Mable E.....	90.00	
Stewart, Sidney M.....	100.00	
Streeter, George H.....	30.00	
Sprague, Charles L.....	167.00	
Swett, Miss Ida M.....	106.00	
Taylor, Irving R.....	60.00	
Wadland, William B.....	167.00	
Warren, Mrs. Eliza F.....	90.00	
Welt, Mrs. Emily R.....	79.00	
Wentworth, E. M.....	30.00	
White, Mrs. Harriet E.....	84.00	
White, Estate of M. E.....	150.00	
Wilder, Mrs. Mildred A.....	77.00	
Wilson, Joseph L.....	80.00	3,920.25
		\$41,567.75

SCHOOL HOUSE LOAN SINKING FUND

Receipts

Balance Dec. 31, 1915.....	\$206,046.34	
Appropriation—Budget.....	7,257.15	
Coupons.....	3,592.00	
Interest on securities.....	1,065.98	
Interest on deposits.....	23.06	\$217,984.53

Expended

Premiums paid on bonds bought.....	2.70	
Accrued interest on bonds bought.....	5.27	
Commission on bonds bought.....	3.81	
Insurance.....	.49	
Rent of safety vaults.....	2.00	
Loss on bonds sold.....	232.50	
Bonds paid.....	200,000.00	200,246.77
		\$17,737.76

SEWER LOAN SINKING FUNDS

Receipts

Balance Dec. 31, 1915.....	\$247,880.15	
Sewer assessments.....	3,667.32	
Coupons.....	9,371.50	
Interest on securities.....	987.79	
Interest on deposits.....	39.97	\$261,946.73

Expended

Premium on bonds bought.....	20.36	
Accrued interest on bonds bought.....	385.71	
Commission on bonds bought.....	10.21	
Insurance on bonds bought.....	1.19	
Rent safety vault.....	15.00	
Loss on bonds sold.....	620.00	1,052.47
Balance to 1917.....		\$260,894.26
Coupons B. & M., defaulted Oct. 1, 1916		180.00
Coupons Conn. R. R., defaulted Dec. 31, 1916.....		52.50
		\$261,126.76

SURFACE DRAINAGE SINKING FUNDS

Receipts

Balance Dec. 31, 1915.....	\$45,914.93	
Appropriation—Budget.....	13,346.36	
Coupons.....	1,453.00	
Interest on securities.....	355.62	
Interest on deposits.....	15.46	\$61,085.37

Expended

Premium on bonds bought.....	5.64	
Accrued interest on bonds bought.....	136.42	
Commission on bonds bought.....	3.78	
Insurance on bonds bought.....	.49	
Rent safety vault.....	3.00	
Loss on bonds sold.....	161.25	
Bonds paid.....	10,000.00	10,310.58
Balance to 1917.....		\$50,774.79
1 coupon B. & M. R.R., defaulted Oct. 1, 1916.....		22.50
		\$50,797.29

WATER LOAN SINKING FUND

Receipts

Balance Dec. 31, 1915.....	\$70,821.21	
Coupons.....	2,613.50	
Interest on securities.....	339.49	
Interest on deposits.....	16.36	\$73,790.56

Expended

Premium on bonds bought.....	\$10.10	
Accrued interest on bonds bought.....	.64.28	
Commission on bonds bought.....	\$1.25	
Insurance on bonds bought.....	.13	
Rent safety vault.....	4.00	
Loss on bonds sold.....	167.50	247.26
		\$73,543.30

Schedule of City Property

BROWN TAIL AND GYPSY MOTH

Personal property.....	\$1,927.55
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CHARITY DEPARTMENT

Personal property.....	\$1,880.45
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FIRE DEPARTMENT

Central Fire Station, City Hall lot.....	\$20,000.00
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Hose No. 3

Building.....	\$1,200.00	
10,267 ft. land.....	3,075.00	\$4,275.00

Hose No. 4

Building.....	\$1,800.00	
5,625 ft. land.....	550.00	\$2,350.00
Personal property.....		28,809.15
Fire alarm system.....		15,760.71

Total for Fire Department.....	\$71,194.86
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HEALTH DEPARTMENT

Isolation hospital building.....	\$400.00	
Personal property.....	272.48	\$672.48

PUBLIC PARKS

Ell Pond Park.....	\$20,500.00	
Horace Mann Park.....	5,475.00	
Melrose Common.....	10,000.00	
Sewall Woods Park.....	11,250.00	
Strip east and south side Ell Pond.....	19,900.00	
Lot Main and Lynde Streets.....	1,250.00	
Band stand.....	275.00	
Bath-house.....	250.00	
Boats, life-saving apparatus, etc.....	35.00	
Float (donated by J. C. F. Slayton)....	200.00	
Fountains in 2 squares.....	50.00	
Playground apparatus in various parks...	200.00	
Sanitary.....	25.00	
Settees and bleachers.....	175.00	
Shelter at Knoll—Ell Pond Park.....	1,400.00	\$70,985.00

POLICE DEPARTMENT

Personal property	\$2,832.33	
Police signal system	5,098.80	\$7,931.13

PUBLIC LIBRARY

Building	\$30,000.00	
30,300 ft. land	10,600.00	
Heating apparatus	500.00	
Books	28,900.00	
Furniture and fixtures	4,500.00	
Pictures, statuary, mounted birds, etc., articles of use and ornament	2,500.00	\$77,000.00

SCHOOL DEPARTMENT

Franklin School Building	\$30,000.00	
32,539 ft. land	9,500.00	
		\$39,500.00
Gooch School Building	\$25,000.00	
27,815 ft. land	4,450.00	
		29,450.00
High School Building	\$140,000.00	
106,385 ft. land	58,200.00	
		198,200.00
Lincoln School Building	\$30,000.00	
27,604 ft. land	6,900.00	
		36,900.00
Livermore School Building	\$17,000.00	
26,555 ft. land	6,650.00	
		23,650.00
Ripley School Building	\$2,200.00	
14,567 ft. land	575.00	
		2,775.00
Sewall School Building	\$8,000.00	
14,748 ft. land	7,375.00	
		15,375.00
Warren School Building	\$14,000.00	
18,572 ft. land	2,300.00	
		16,300.00
Washington School Building	\$30,000.00	
30,794 ft. land	4,000.00	
		34,000.00
Whittier School Building	\$7,500.00	
15,000 ft. land	3,000.00	
		10,500.00

Winthrop School Building.....	\$11,000.00	
20,544 ft. land.....	1,600.00	
		12,600.00
Total buildings and land.....		\$419,250.00
Heating apparatus.....		20,355.00
Personal property.....		40,128.00
		\$479,733.00

Sundries

Lot Chestnut Street, 12,000 ft. land.....	\$2,400.00	
Lot Franklin Street, 11,880 ft. land.....	3,325.00	
Lot Upham Street, 11,400 ft. land.....	675.00	\$6,400.00

SEALER OF WEIGHTS AND MEASURES

Personal property.....	\$572.00
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WYOMING CEMETERY

Buildings.....	\$3,500.00	
Office.....	500.00	
47¾ acres land.....	31,700.00	
Water system.....	950.00	
Personal property.....	206.00	\$36,856.00

PUBLIC WORKS DEPARTMENT

Auditorium and Soldiers' Memorial Bldg., land, furniture and fixtures.....	\$112,000.00
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City Hall

Building.....	\$75,000.00	
44,934 ft. land.....	67,400.00	
Furniture, fixtures and sundries.....	10,000.00	\$152,400.00

Highway Division

Crusher lot Maple Street, 17,326 ft. land	\$1,000.00	
Crusher lot Linwood Ave., 132,877 ft. land	3,200.00	
Stone crusher plant, tools, etc.....	4,800.00	
Road rollers, plows, sprinkling carts, etc.	7,102.00	
Horses, carts, harnesses, tools, etc.....	4,456.00	\$20,558.00

Sewer Division

Cost of construction to Dec. 31, 1915....	\$474,463.02	
Additional to Sept. 30, 1916.....	4,234.07	\$478,697.09

Surface Drainage

Cost of construction to Dec. 31, 1915....	\$187,552.43	
Additional to Sept. 30, 1916.....	11,623.60	\$199,176.03

Water Division

Cost of construction to Dec. 31, 1915....	\$465,029.62	
Additional to Sept. 30, 1916.....	9,976.40	\$475,006.02

RECAPITULATION

Brown Tail and Gypsy Moth.....	\$1,927.30	
Charity Department.....	1,880.45	
Fire Department.....	71,194.86	
Health Department.....	672.48	
Park Department.....	70,985.00	
Police Department.....	7,931.13	
Public Library.....	77,000.00	
School Department.....	479,733.00	
Sundries.....	6,400.00	
Sealer of Weights and Measures.....	572.00	
Wyoming Cemetery.....	36,856.00	
Public Works Department:		
Soldier's Memorial Building.....	112,000.00	
City Hall.....	152,400.00	
Highway Department.....	20,558.00	
Sewer Division.....	478,697.09	
Surface Drainage Division.....	199,176.03	
Water Division.....	475,006.02	
		\$2,192,989.36

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AUG 14 1917
PAY TO THE ORDER OF
MELROSE TRUST CO.
CITY OF MELROSE
W. R. LAVENDER, City Treas. &c

